Table 1. Summary of sphere calibrations conducted before and during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

Date	Location	Frequency (kHz)	Water Temp (EC) at Transducer[1]	Water Temp (EC) at Sphere	Sphere Range from Transducer (m)	TS Gain (dB)	SV Gain (dB)	Along 3 dB Beam Width (deg)	Angle Offset Along	Angle Offset Athwart
28 Jul	Port Susan, WA	38	11.7	10.0	28.7	25.5	25.3	6.92	-0.09	0.01
		120	11.7	10.3	23.4	26.2	26.1	7.18	0.09	0.25
30 Aug	Ugak Bay, AK	38	11.4	8.7	30.9	25.5	25.2	-	-	-
		120	11.4	10.2	25.5	26.0	26.1	-	-	-
Aug	System settings during survey	38	-	-	-	25.5	25.5	6.90	-0.08	0.03
		120	-	-	-	25.6	25.6	7.10	-0.12	-0.21

SV threshold used for post-processing = -69 dB

[1]The transducer was located approximately 9 m below the water surface

Note: Gain and beam pattern terms are defined in the "Operator Manual for Simrad EK500 Scientific Echo Sounder (1993)" available from Simrad Subsea A/S , Strandpromenaden 50, P.O. Box 111, N-3191 Horten, Norway.

Table 2. Trawl stations and summary of catch data from the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

Haul No.	Gear[1] Type	Date	Time (GMT)	Duration (minutes)	Start Position Latitude (N)	Start Position Longitude (W)	Depth (m) Gear	Depth (m) Bottom	Temp. (deg. C) Gear	Temp. (deg. C) Surface	Profiler[2] No.	Pollock Catch (kg)	Pollock Catch number	Capelin Catch (kg)	Other Catch (kg)
1	317	9 Aug	22:47	10	57 45.19	152 12.47	101	234	8.9	10.8	301	2,271.3	15,055	0.0	18.7
2	317	10 Aug	3:40	14	57 39.37	151 59.55	180	208	6.9	11.4	302	1,758.1	8,241	0.1	161.8
3	317	10 Aug	5:40	5	57 39.30	151 59.14	103	210	8	12	303	260.7	3,257	0.0	17.4
4	317	10 Aug	13:12	9	57 35.73	152 5.78	63	84	9.4	11.4	304	0.0	1	53.5	27.9
5	317	10 Aug	19:06	2	57 32.56	151 48.41	107	135	7.5	13.2	305	1,229.8	13,610	0.0	60.2
6	172	11 Aug	0:03	25	57 32.70	151 33.64	142	142	6.5	12.4	306	477.4	1,739	0.0	219.6
7	317	11 Aug	8:20	19	57 26.97	151 40.33	49	67	8.3	12.8	307	3.2	845	26.3	19.8
8	317	11 Aug	12:27	15	57 31.18	151 31.33	100	145	7.7	12.8	308	487.7	6,272	0.0	24.7
9	317	12 Aug	4:54	20	56 50.25	152 25.86	116	174	6.3	14.7	309	0.9	286	28.2	40.8
10	317	12 Aug	8:31	11	56 51.98	152 31.99	51	161	7.6	14.3	310	0.1	24	11.7	127.0
11	317	12 Aug	13:05	20	56 57.30	152 38.37	49	156	8.9	14.6	311	0.1	19	15.9	35.5
12	172	12 Aug	20:06	3	57 3.50	152 24.83	142	142	5.8	14.9	312	3,825.9	2,193	0.0	34.1
13	317	13 Aug	1:34	15	56 59.57	152 42.56	136	149	6.2	15	313	0.7	87	16.9	29.8
14	172	13 Aug	5:27	12	57 9.30	152 27.63	148	148	5.7	15.1	314	578.5	354	0.0	180.1
15	172	13 Aug	10:45	26	57 5.99	152 43.03	154	154	5.9	14.6	315	456.9	497	0.0	550.8
16	317	13 Aug	15:25	11	57 8.87	152 29.52	129	135	6.9	15.2	316	50.4	646	0.0	24.4
17	317	13 Aug	17:21	7	57 5.75	152 43.92	117	135	7.6	13.8	317	981.1	16,182	0.0	14.9
18	317	14 Aug	0:10	10	57 13.64	152 48.41	107	128	8.9	14	318	115.0	2,314	0.3	21.7
19	172	14 Aug	5:33	25	57 26.16	152 37.67	99	99	8.4	14.1	319	691.9	1,183	0.0	113.0

Haul No.	Gear[1] Type	Date	Time (GMT)	Duration (minutes)	Start Position Latitude (N)	Start Position Longitude (W)	Depth (m) Gear	Depth (m) Bottom	Temp. (deg. C) Gear	Temp. (deg. C) Surface	Profiler[2] No.	Pollock Catch (kg)	Pollock Catch number	Capelin Catch (kg)	Other Catch (kg)
20	317	14 Aug	9:05	7	57 22.42	152 27.15	63	70	9.4	12.3	320	725.3	10,442	0.0	202.4
21	172	14 Aug	22:39	20	57 38.07	151 56.77	206	206	6.9	12.6	321	673.4	717	0.0	206.6
22	317	15 Aug	1:55	5	57 36.17	151 49.67	115	149	7.5	12.7	322	294.0	3,508	0.0	15.5
23	317	15 Aug	6:22	6	57 32.73	151 40.60	65	161	8.5	12.9	323	450.7	6,473	0.0	39.8
24	317	15 Aug	17:28	15	57 34.00	151 26.37	66	73	9.2	12.9	324	5.7	1,991	1.4	28.8
25	172	15 Aug	22:21	20	57 28.70	151 24.61	160	160	6.4	13.3	325	180.4	122	0.0	365.1
26	317	15 Aug	23:52	2	57 28.62	151 24.75	111	160	7.6	13.4	326	963.5	11,985	0.0	12.3
27	317	16 Aug	21:54	21	56 49.77	152 28.24	147	168	5.9	14	327	4.4	75	27.6	19.5
28	317	17 Aug	3:50	20	56 54.77	152 34.60	134	155	6.1	14.4	328	1.0	280	15.8	32.2
29	317	17 Aug	10:53	7	57 1.34	152 20.23	55	80	9.7	14	329	0.0	1	16.3	20.7
30	317	17 Aug	18:12	20	57 3.92	152 24.61	126	139	6.5	13.9	330	0.0	1	5.8	28.2
31	317	18 Aug	0:55	18	56 57.13	152 53.39	118	123	6.4	14.7	331	0.2	9	10.1	7.9
32	172	18 Aug	5:24	9	57 9.73	152 25.60	145	145	5.9	14.4	332	1,176.4	678	0.0	31.5
33	317	18 Aug	6:50	20	57 9.68	152 25.86	51	148	9	14.4	333	337.1	3,996	0.0	52.2
34	317	18 Aug	18:15	8	57 9.39	152 42.35	106	143	8	11.9	334	1,057.4	14,818	0.0	28.6
35	172	19 Aug	2:05	20	57 20.17	152 32.90	104	104	8	11.8	335	668.9	604	0.0	281.1
36	317	24 Aug	1:54	5	57 39.80	151 59.25	179	208	7.5	11.7	336	1,653.6	7,864	0.1	56.3
37	317	24 Aug	3:20	3	57 39.72	151 59.02	111	208	8.5	11.8	337	824.7	7,214	0.1	29.8
38	317	24 Aug	5:17	9	57 36.64	152 4.17	65	87	10	11.3	338	16.8	58	10.7	60.6
39	172	24 Aug	18:07	22	57 39.03	151 52.67	158	158	7.4	11.4	339	334.0	957	0.0	339.8
40	317	24 Aug	20:58	16	57 34.13	152 0.73	70	75	9.7	10.8	340	2.1	602	4.7	59.2
41	172	25 Aug	5:13	25	57 31.66	151 42.18	156	167	6.6	11.7	341	173.1	541	0.0	92.2

Haul No.	Gear Type[1]	Date	Time (GMT)	Duration (minutes)	Start Position Latitude (N)	Start Position Longitude (W)	Depth (m) Gear	Depth (m) Bottom	Temp. (deg. C) Gear	Temp. (deg. C) Surface	Profiler No.[2]	Pollock Catch (kg)	Pollock Catch number	Capelin Catch (kg)	Other Catch (kg)
42	317	25 Aug	7:14	16	57 32.06	151 41.76	111	164	7.4	11.7	342	638.0	6,634	0.0	63.7
43	317	25 Aug	10:09	30	57 36.86	151 33.26	46	64	9.9	10.6	343	1.2	310	15.7	189.2
44	317	25 Aug	17:39	8	57 26.74	151 27.88	125	169	7.3	11.9	344	385.8	3,608	0.0	28.2
45	172	25 Aug	18:51	26	57 27.04	151 27.44	164	164	6.3	11.9	345	273.0	300	0.0	1,124.8
46	317	26 Aug	17:42	10	56 42.10	152 32.78	131	149	6.2	12.1	346	0.0	7	47.4	22.4
47	317	27 Aug	1:04	20	56 52.45	152 30.03	120	173	6.5	12.5	347	0.3	4	9.7	22.6
48	172	27 Aug	9:59	30	57 2.95	152 26.92	143	143	5.9	12.4	348	311.7	172	0.0	605.7
49	317	27 Aug	22:42	6	56 57.67	153 6.22	128	131	7.5	11.8	349	305.0	2,917	0.0	54.3
50	172	28 Aug	3:50	25	57 8.84	152 29.75	144	144	6.1	12.3	350	1,219.5	728	0.0	204.5
51	317	28 Aug	5:50	10	57 9.54	152 26.26	79	146	7.4	12.4	351	355.0	4,382	0.0	17.7
52	317	28 Aug	9:58	25	57 1.64	152 48.47	127	159	6.4	11.8	352	1,393.3	13,039	2.5	48.2
53	317	28 Aug	12:54	15	57 4.80	152 30.44	54	143	11.3	12.2	353	0.0	0	64.0	34.4
54	172	28 Aug	17:40	25	57 4.90	152 47.85	154	154	6.2	11.4	354	299.9	172	0.0	596.8
55	172	29 Aug	1:08	26	57 12.45	152 47.53	140	140	6.2	11.5	355	467.2	1,397	0.0	336.7
56	317	30 Aug	9:59	10	57 3.76	152 30.10	59	147	9	12.2	356	0.0	1	22.2	1.5
57	317	31 Aug	5:10	8	57 21.70	152 30.36	77	92	9.8	12.2	357	723.6	9,372	0.0	36.1

[1] gear type 317 = Aleutian wing trawl and 172 = PNE bottom trawl

[2] 301 - 357 = SeaBird SBE39

Table 3. Methot trawl stations and catch data from the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

Haul No.	Date	Time (GMT)	Duration (minutes)	Start Position Latitude (N)	Start Position Longitude (W)	Depth (m) Gear	Depth (m) Bottom	Temp. (deg. C) Gear	Temp. (deg. C) Surface	Profiler[1] No.	Catch (kg)
201	31 Aug	7:30	27	57 10.75	152 21.10	33	84	11	12.6	358	9.3
202	31 Aug	8:23	32	57 10.71	152 21.37	77	84	8.9	12.5	359	4.4
203	31 Aug	9:14	35	57 11.44	152 19.75	33	85	11.2	12.3	360	7.9
204	31 Aug	10:16	28	57 10.40	152 22.55	15	86	11.9	12.5	361	6.0

[1] 358 - 361 = SeaBird SBE39

Table 4. Catch by species from 41 midwater Aleutian wing trawl hauls conducted during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

Species Name	Scientific Name	Weight (kg)	Percent	Numbers
walleye pollock	*Theragra chalcogramma*	17,297.6	88.5	176,430
jellyfish unidentified	Scyphozoa	983.9	5.0	--
capelin	*Mallotus villosus*	407.1	2.1	71,266
salmon shark	*Lamna ditropis*	214.0	1.1	2
Pacific herring	*Clupea pallasi*	163.9	0.8	643
chinook salmon	*Oncorhynchus tshawytscha*	106.7	0.5	43
arrowtooth flounder	*Atheresthes stomias*	99.0	0.5	110
eulachon	*Thaleichthys pacificus*	85.4	0.4	1,326
chum salmon	*Oncorhynchus keta*	57.2	0.3	15
longnose skate	*Raja rhina*	30.8	0.2	1
squid unidentified	Teuthoidea	23.9	0.1	4,407
Pacific cod	*Gadus macrocephalus*	17.0	0.1	5
Pacific sandfish	*Trichodon trichodon*	12.5	0.1	142
Pacific halibut	*Hippoglossus stenolepis*	9.1	<0.1	1
starry flounder	*Platichthys stellatus*	7.1	<0.1	4
spiny dogfish	*Squalus acanthias*	6.0	<0.1	2
coho salmon	*Oncorhynchus kisutch*	3.2	<0.1	1
northern rockfish	*Sebastes polyspinis*	3.0	<0.1	3
shrimp unidentified	Decapoda	2.9	<0.1	983
daubed shanny	*Lumpenus maculatus*	2.3	<0.1	45
smelt unidentified	Osmeridae	2.2	<0.1	312
smooth lumpsucker	*Aptocyclus ventricosus*	1.9	<0.1	3
prowfish	*Zaprora silenus*	1.0	<0.1	26
flathead sole	*Hippoglossoides elassodon*	0.9	<0.1	5
salps unidentified	Thaliacea	0.9	<0.1	--
yellow Irish lord	*Hemilepidotus jordani*	0.6	<0.1	1
sturgeon poacher	*Podothecus acipenserinus*	0.6	<0.1	40
snailfish unidentified	Cyclopteridae	0.4	<0.1	18
Pacific sand lance	*Ammodytes hexapterus*	0.1	<0.1	49
isopod unidentified	Isopoda	0.1	<0.1	40
crested sculpin	*Blepsias bilobus*	<0.1	<0.1	1
flatfish larvae	Pleuronectiformes	<0.1	<0.1	53
fish larvae unidentified	Osteichthyes	<0.1	<0.1	41
rockfish unidentified	*Sebastes sp.*	<0.1	<0.1	6
Pacific spiny lumpsucker	*Eumicrotremus orbis*	<0.1	<0.1	1
tadpole sculpin	*Psychrolutes paradoxus*	<0.1	<0.1	4
crangonid shrimp unidentified	Crangonidae	<0.1	<0.1	4
octopus unidentified	Octopoda	<0.1	<0.1	6
Totals		19,541.3		256,039

Table 5. Catch by species from 16 poly nor'eastern trawl bottom hauls conducted during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

Species Name	Scientific Name	Weight (kg)	Percent	Numbers
walleye pollock	*Theragra chalcogramma*	11,808.1	69.1	12,354
arrowtooth flounder	*Atheresthes stomias*	2,317.6	13.6	1,709
Pacific cod	*Gadus macrocephalus*	1,221.1	7.1	365
jellyfish unidentified	Scyphozoa	600.7	3.5	--
Pacific halibut	*Hippoglossus stenolepis*	373.7	2.2	39
flathead sole	*Hippoglossoides elassodon*	323.0	1.9	841
Dover sole	*Microstomus pacificus*	117.7	0.7	71
rex sole	*Glyptocephalus zachirus*	84.7	0.5	136
sablefish	*Anoplopoma fimbria*	39.3	0.2	14
big skate	*Raja binoculata*	30.0	0.2	1
shrimp unidentified	Decapoda	23.9	0.1	4,387
longnose skate	*Raja rhina*	21.4	0.1	2
Alaska skate	*Bathyraja parmifera*	21.3	0.1	5
Pacific sleeper shark	*Somniosus pacificus*	18.5	0.1	1
Aleutian skate	*Bathyraja aleutica*	14.9	0.1	1
spiny dogfish	*Squalus acanthias*	12.7	0.1	4
octopus unidentified	Octopoda	11.8	0.1	2
eulachon	*Thaleichthys pacificus*	8.0	>0.1	126
starfish unidentified	Asteroidea	5.0	>0.1	77
Pacific herring	*Clupea pallasi*	4.1	>0.1	12
yellow Irish lord	*Hemilepidotus jordani*	3.8	>0.1	7
giant wrymouth	*Cryptacanthodes giganteus*	3.8	>0.1	1
great sculpin	*Myoxocephalus polyacanthocephalus*	2.9	>0.1	1
tanner crab	*Chionoecetes bairdi*	2.5	>0.1	36
rougheye rockfish	*Sebastes aleutianus*	2.5	>0.1	3
chinook salmon	*Oncorhynchus tshawytscha*	2.4	>0.1	2
Bering skate	*Bathyraja interrupta*	2.3	>0.1	2
Pacific sandfish	*Trichodon trichodon*	1.7	>0.1	5
smooth lumpsucker	*Aptocyclus ventricosus*	1.5	>0.1	2
northern rock sole	*Lepidopsetta peracuata*	1.3	>0.1	1
sun sea star	*Solaster stimpsoni*	1.3	>0.1	2
bigfin eelpout	*Lycodes cortezianus*	1.1	>0.1	6
sockeye salmon	*Oncorhynchus nerka*	1.0	>0.1	2
butter sole	*Isopsetta isolepis*	1.0	>0.1	1
sea anemone unidentified	Actiniaria	0.7	>0.1	19
scallop unidentified	Pectinidae	0.6	>0.1	4
hermit crab unidentified	Paguridae	0.5	>0.1	12
kelp crab	*Pugettia sp.*	0.4	>0.1	12
crab unidentifed	Brachyura	0.3	>0.1	6
prowfish	*Zaprora silenus*	0.3	>0.1	3
bigmouth sculpin	*Hemitripterus bolini*	0.2	>0.1	1
unsorted shab		0.2	>0.1	--
sturgeon poacher	*Podothecus acipenserinus*	0.2	>0.1	3
poacher unidentified	Agonidae	0.1	>0.1	1
isopod unidentified	Isopoda	0.1	>0.1	21
spinyhead sculpin	*Dasycottus setiger*	>0.1	>0.1	1
capelin	*Mallotus villosus*	>0.1	>0.1	4
snailfish unidentified	Cyclopteridae	>0.1	>0.1	2
shortfin eelpout	*Lycodes brevipes*	>0.1	>0.1	1
snail eggs		>0.1	>0.1	1
sea pen unidentified	Pennatulacea	>0.1	>0.1	1
Totals		17,090.4		20,310

Table 6. Inventory (numbers of fish) of walleye pollock biological samples and measurements collected during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

Haul	Length	Maturity	Otoliths	Fish Weight
1	501	73	10	73
2	456	35	35	73
3	647	10	10	10
4	1	0	0	0
5	653	56	10	56
6	493	158	138	158
7	70	0	0	0
8	530	56	10	56
9	103	0	0	0
11	19	0	0	0
12	319	89	89	89
13	16	4	4	4
14	354	110	93	110
15	466	51	51	51
16	143	62	10	62
17	394	84	10	84
18	365	33	33	33
19	496	190	190	190
20	392	33	33	33
21	346	75	75	75
22	602	5	5	5
23	404	5	5	5
24	125	0	0	0
25	122	81	81	81
26	607	0	0	0
27	75	0	0	0
28	99	0	0	0
29	1	0	0	0
30	1	0	0	0
31	9	0	0	0
32	318	110	110	110
33	481	10	10	10
34	383	36	0	36
35	402	60	60	60
36	334	64	14	64
37	488	50	0	50
38	58	39	0	39
39	548	73	73	73

Haul	Length	Maturity	Otoliths	Fish Weight
40	51	0	0	20
41	540	78	26	78
42	497	51	0	51
43	56	0	0	20
44	252	45	0	45
45	299	105	105	105
47	4	1	0	1
48	172	97	97	97
49	338	47	0	47
50	315	20	20	20
51	588	51	0	51
52	687	49	0	49
54	172	39	0	39
55	422	82	0	82
56	1	0	0	0
57	691	109	84	109
Totals	16,906	2,426	1,491	2,504

Table 7. Inventory (numbers of fish) of biological samples collected for special studies during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

	Pollock Collection				Sea Lion
Haul	Age 0	Age 1	Age 2	Stomachs [2]	Fish Prey [3]
1	-	X	X	14 P	25 P
2	-	-	-	-	-
3	-	-	-	-	-
4	-	-	-	-	-
5	-	-	-	15 P	-
6	X [1]	-	-	11 C	-
7	X	-	-	-	-
8	-	X	-	-	-
9	X	-	-	-	-
10	X	-	-	-	-
11	X	-	-	-	-
12	-	-	-	1 A	-
13	X	-	-	-	-
14	-	-	-	16 P	-
15	-	-	-	-	1 A
16	-	-	-	-	-
17	-	-	-	-	-
18	-	X	-	15 P	-
19	-	X	-	-	
20	-	X	-	-	-
21	-	-	-	-	1 A
22	-	X	-	-	-
23	-	X	-	-	-
24	X	-	-	-	-
25	-	X	X	-	-
26	-	X	X	-	-
27	X	-	-	3 P	-
28	X	-	-	-	-
29	-	-	-	-	-
30	-	-	-	-	-
31	X	-	-	-	-
32	-	-	-	-	-
33	-	X	X	15 P	-
34	-	X	-	-	-
35	-	-	-	-	-
36	-	X	X	-	1 Y
37	-	-	-	-	-
38	X	-	-	-	-
39	-	-	-	-	3 Y, 1 R, 2 B
40	X	-	-	-	5 C
41	-	X	X	-	-
42	-	X	X	-	-
43	X	-	-	-	-

Table 7 (cont.)

Haul	Pollock Collection Age 0	Age 1	Age 2	Stomachs [2]	Sea Lion Fish Prey [3]
44	-	-	-	4 P	-
45	-	-	-	-	1 A
46	-	-	-	-	-
47	X	-	-	-	-
48	-	-	-	-	1 S, 1 C
49	-	X	-	5 P	-
50	-	-	-	-	-
51	-	X	-	13 P	-
52	-	X	-	15 P	-
53	-	-	-	-	-
54	-	-	-	-	1 S
55	-	-	-	6 A	2 Y
56	-	-	-	-	-
57	-	X	-	-	-
Total	14 hauls	18 hauls	7 hauls	133	10 hauls

[1] "X" indicates a collection was made, but numbers were not specified
[2] P = pollock, C = Pacific cod, A = arrowtooth flounder
[3] P = pollock, A = Alaska skate, Y = yellow Irish lord, R = northern rock sole, B = Bering skate, C = chinook salmon, S = sockeye salmon

Table 8. Summary of conductivity-temperature-depth (CTD) casts conducted during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

CTD Number	Date	Drop Time (GMT)	Drop Position Latitude (N)		Longitude (W)		Station	Bottom Depth (m)
501	10 Aug	11:20	57	35.39	151	51.78	Transect 7.0	162
502	11 Aug	10:15	57	26.98	151	27.62	Transect 12.0	168
503	11 Aug	10:34	57	26.91	151	27.81	Transect 12.0	167
504	12 Aug	6:28	56	53.40	152	25.52	Transect 204.0	155
505	12 Aug	10:28	56	50.31	152	36.50	Transect 204.0	131
506	13 Aug	6:32	57	7.36	152	22.86	Transect 208.0	96
507	13 Aug	8:30	57	2.05	152	9.83	Transect 208.0	176
508	14 Aug	13:19	57	43.46	152	19.89	Transect 1.1	160
509	15 Aug	8:24	57	35.44	151	51.35	Transect 7.0	165
510	15 Aug	10:44	56	39.00	151	59.76	Transect 5.0	175
511	15 Aug	14:00	57	32.01	151	41.87	Transect 9.0	166
512	15 Aug	18:49	57	31.06	151	28.64	Transect 11.0	138
513	15 Aug	20:05	57	27.22	151	33.28	Transect 11.0	120
514	16 Aug	7:48	57	14.81	151	18.50	Transect 16.0	163
515	16 Aug	9:15	57	27.05	151	27.52	Transect 12.0	169
516	16 Aug	12:23	56	48.82	152	3.34	Transect 201.0	91
517	16 Aug	15:49	56	45.10	152	19.32	Transect 201.0	112
518	16 Aug	17:15	56	41.52	152	36.23	Transect 201.0	111
519	17 Aug	6:47	56	50.45	152	36.48	Transect 204.0	135
520	17 Aug	7:35	56	52.27	152	30.08	Transect 204.0	170
521	17 Aug	8:28	56	53.71	152	25.07	Transect 204.0	152
522	17 Aug	22:00	56	57.07	153	9.15	Transect 208.0	163
523	18 Aug	8:11	57	7.39	152	22.85	Transect 208.0	97
524	18 Aug	10:23	57	2.18	152	46.18	Transect 208.0	176
525	18 Aug	13:00	57	14.23	152	36.41	Transect 211.0	86
526	23 Aug	18:37	57	43.33	152	19.39	Transect 2.0	155
527	24 Aug	6:26	57	38.77	151	59.78	Transect 5.0	135
528	24 Aug	12:37	57	35.37	151	51.38	Transect 7.0	160
529	25 Aug	6:26	57	32.27	151	41.47	Transect 9.0	167
530	25 Aug	12:46	57	27.06	151	28.01	Transect 12.0	168
531	26 Aug	0:22	57	14.81	151	18.62	Transect 16.0	132
532	26 Aug	5:58	56	48.78	152	3.54	Transect 201.0	94
533	26 Aug	7:22	56	45.05	152	19.64	Transect 201.0	112
534	26 Aug	8:26	56	43.22	152	28.10	Transect 201.0	175
535	26 Aug	9:23	56	41.44	152	36.68	Transect 201.0	103
536	26 Aug	10:02	56	40.13	152	42.46	Transect 201.0	84
537	26 Aug	11:22	56	50.39	152	36.50	Transect 204.0	132
538	26 Aug	12:08	56	52.16	152	30.48	Transect 204.0	165
539	26 Aug	12:48	56	53.32	152	25.95	Transect 204.0	159
540	27 Aug	5:32	56	55.57	152	46.62	Transect 206.0	131
541	27 Aug	6:31	56	57.74	152	36.38	Transect 206.0	160
542	27 Aug	7:22	56	59.69	152	27.63	Transect 206.0	140
543	27 Aug	8:25	57	7.25	152	22.96	Transect 208.0	100
544	27 Aug	12:43	57	1.75	152	46.81	Transect 208.0	170
545	27 Aug	20:59	56	56.99	153	9.41	Transect 208.0	162
546	28 Aug	22:00	57	13.86	152	36.46	Transect 211.0	84
547	29 Aug	21:10	56	54.95	153	14.23	Transect 208.0	156
548	30 Aug	23:23	57	28.96	152	49.87	Ugak Bay cal.	87

Table 9. Summary of expendable bathythermograph (XBT) casts conducted during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

XBT Number	Date	Drop Time (GMT)	Drop Position Latitude (N)		Longitude (W)		Station	Bottom Depth (m)
1	10 Aug	2:43	57	39.24	151	59.70	Transect 5.0	211
2	11 Aug	17:33	57	12.38	151	14.94	Transect 17.0	142
3	11 Aug	20:34	56	48.72	152	3.38	Transect 201.0	91
4	11 Aug	21:23	56	45.23	152	19.28	Transect 201.0	112
5	11 Aug	21:49	56	43.31	152	28.02	Transect 201.0	174
6	11 Aug	22:14	56	41.50	152	36.28	Transect 201.0	111
7	11 Aug	22:32	56	40.15	152	42.40	Transect 201.0	85
8	12 Aug	23:22	56	57.14	153	8.86	Transect 208.0	161
9	13 Aug	0:31	57	2.22	152	45.24	Transect 208.0	169
10	14 Aug	22:00	57	39.18	151	59.26	Transect 5.0	213
11	16 Aug	16:38	56	43.27	152	27.94	Transect 201.0	175
12	16 Aug	17:57	56	40.18	152	42.29	Transect 201.0	85
13	26 Aug	20:19	56	46.92	152	26.74	Transect 202.0	175
14	30 Aug	16:02	57	13.91	152	36.67	Transect 211.0	81
15	30 Aug	19:48	57	21.41	152	31.49	Transect 213.0	94

Table 10. Summary of Argos-tracked drifters deployed during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

Argos Number	Date	Drop Time (GMT)	Drop Position Latitude (N)		Longitude (W)		Station	Bottom Depth (m)
13161	11 Aug	14:43	57	22.66	151	9.88	Transect 15.0	84
13162	12 Aug	0:47	56	51.89	152	18.45	Transect 203.0	88
13147	16 Aug	3:25	57	23.35	151	9.34	Transect 15.0	84
13146	16 Aug	20:06	56	52.35	152	15.28	Transect 203.0	88
13145	25 Aug	22:11	57	23.74	151	11.40	Transect 14.1	85
13128	26 Aug	21:13	56	51.65	152	15.39	Transect 203.0	91

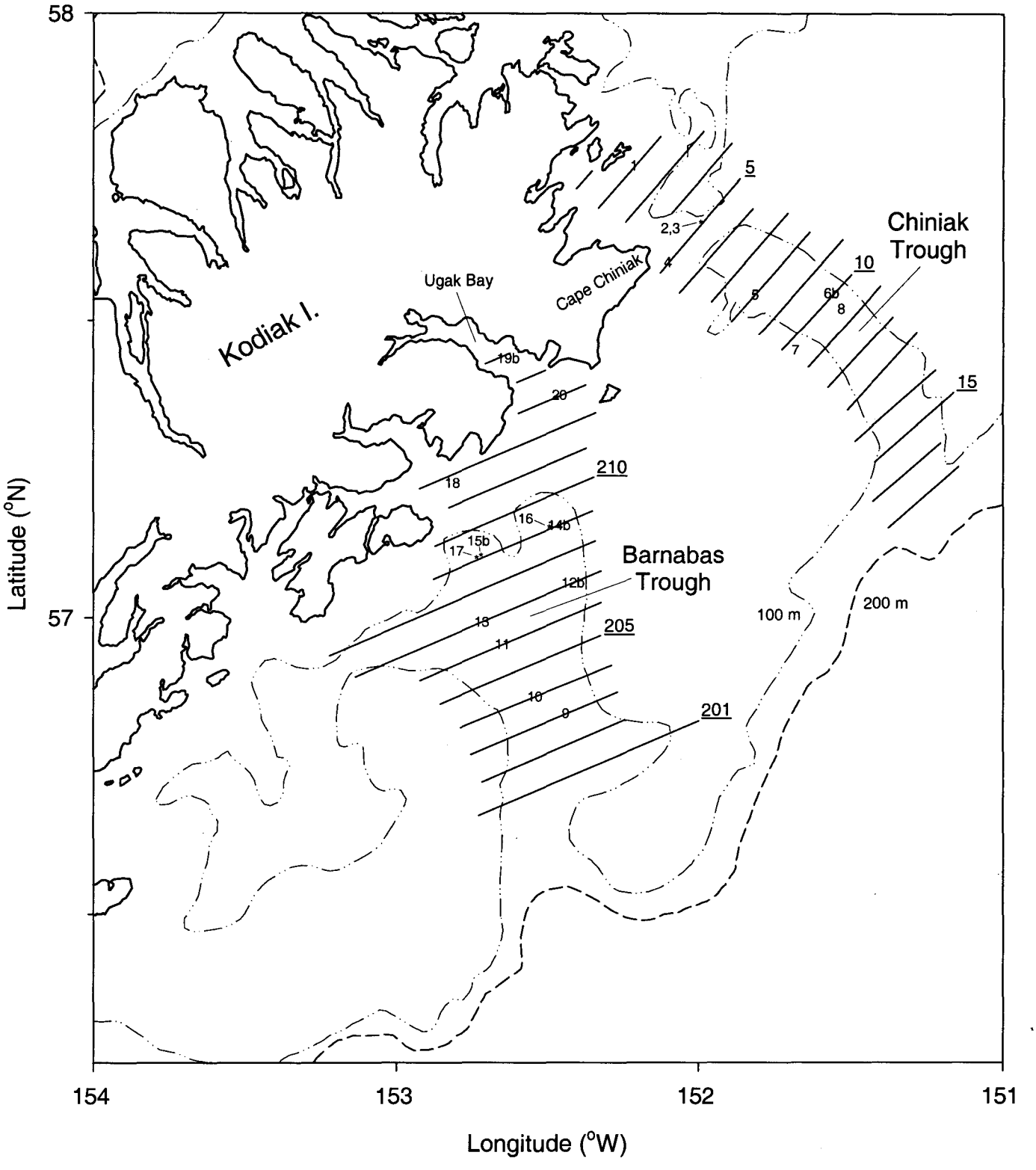


Figure 1. Survey trackline with locations of midwater and bottom ("b") trawl hauls conducted during pass 1 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

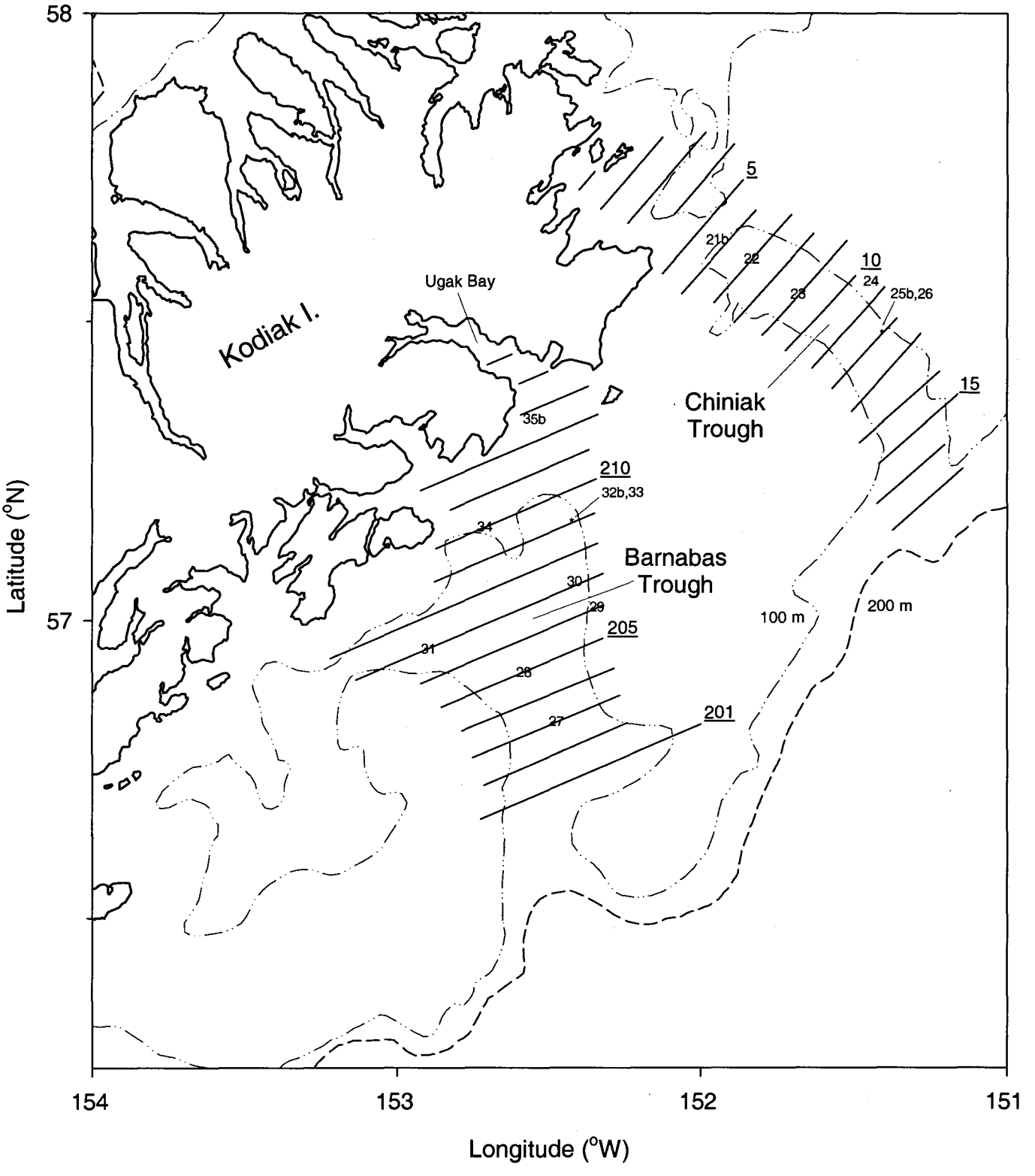


Figure 2. Survey trackline with locations of midwater and bottom ("b") trawl hauls conducted during pass 2 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

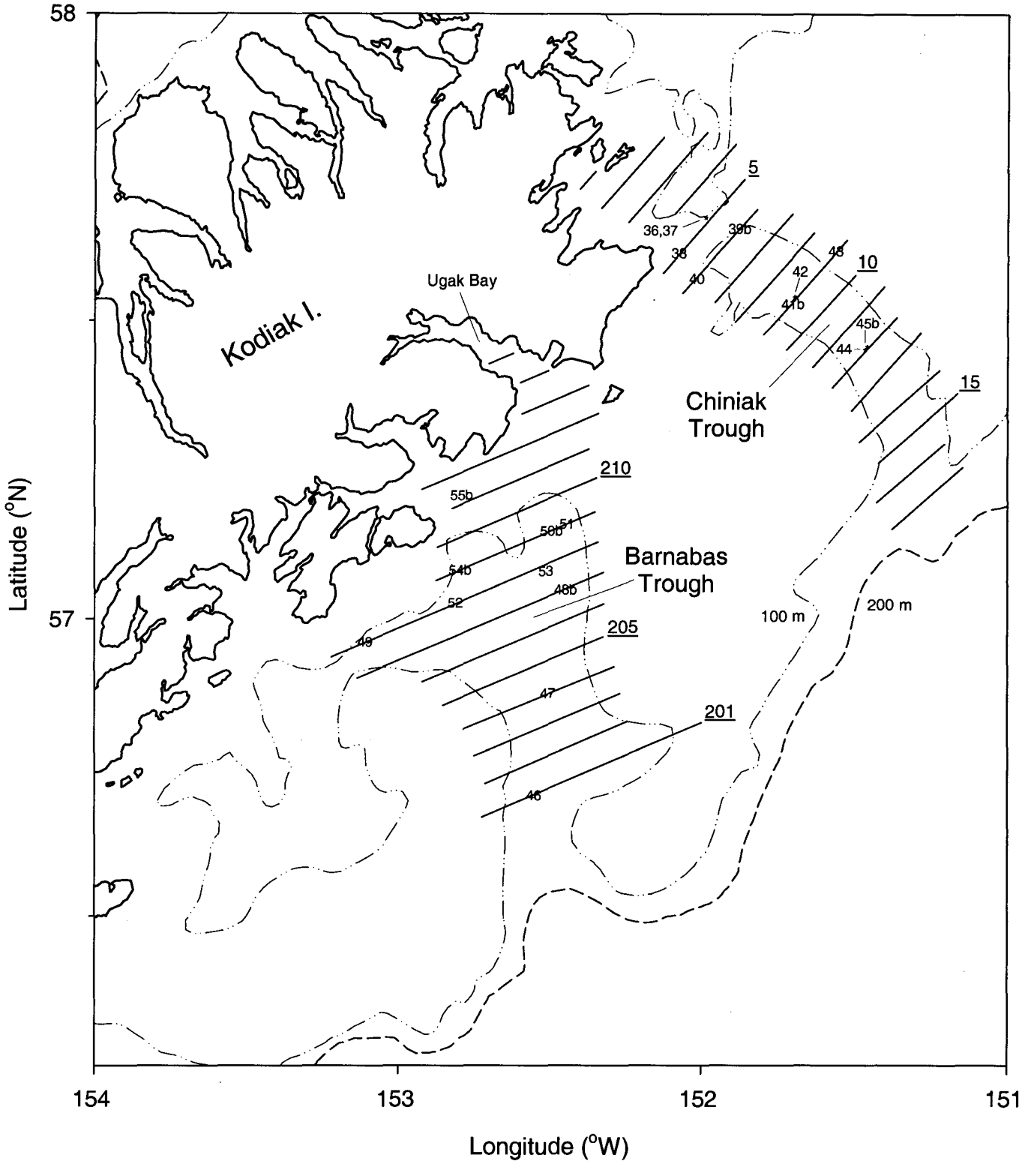


Figure 3. Survey trackline with locations of midwater and bottom ("b") trawl hauls conducted during pass 3 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

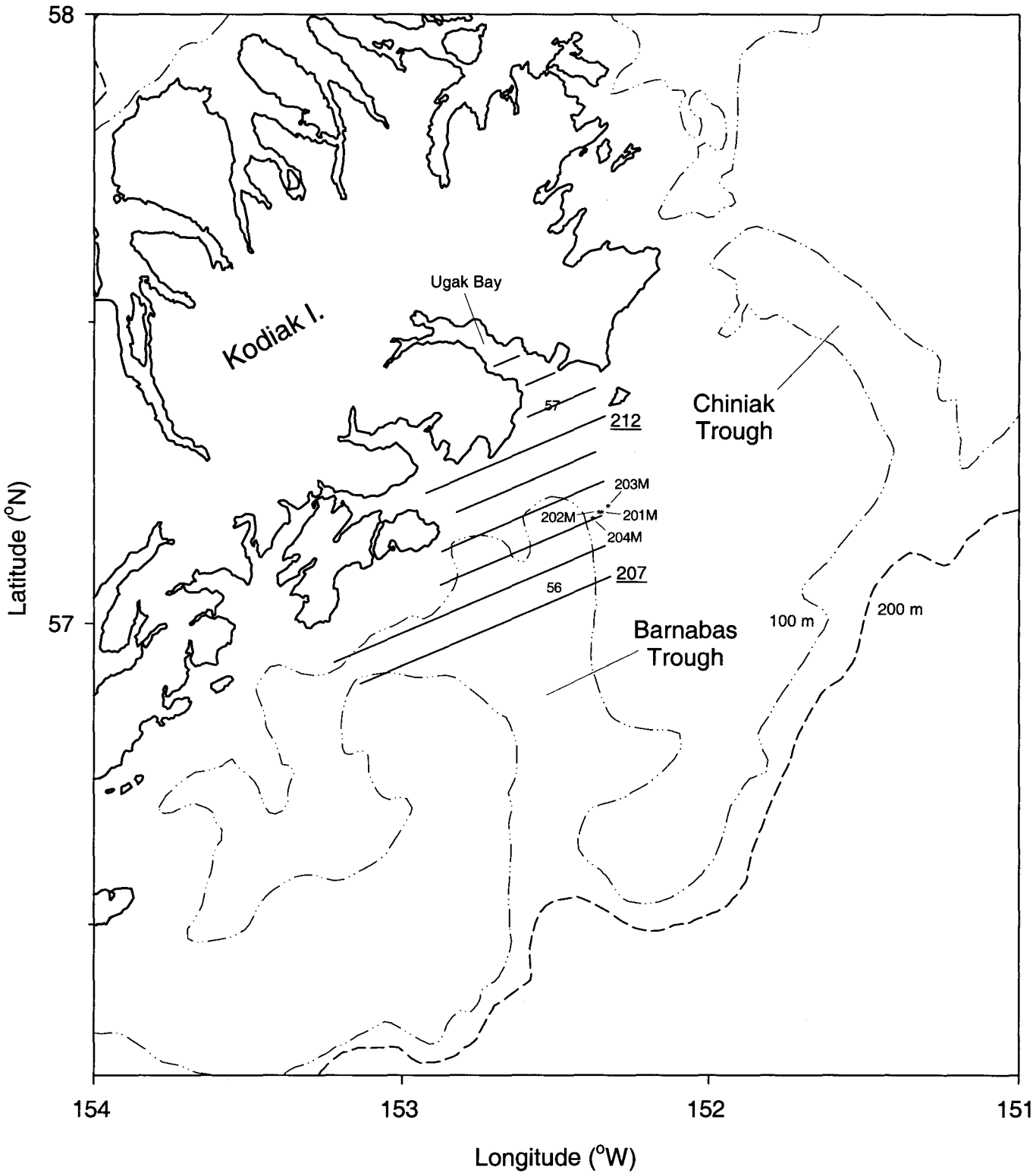


Figure 4. Survey trackline with locations of midwater and Methot ("M") trawl hauls conducted during pass 4 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

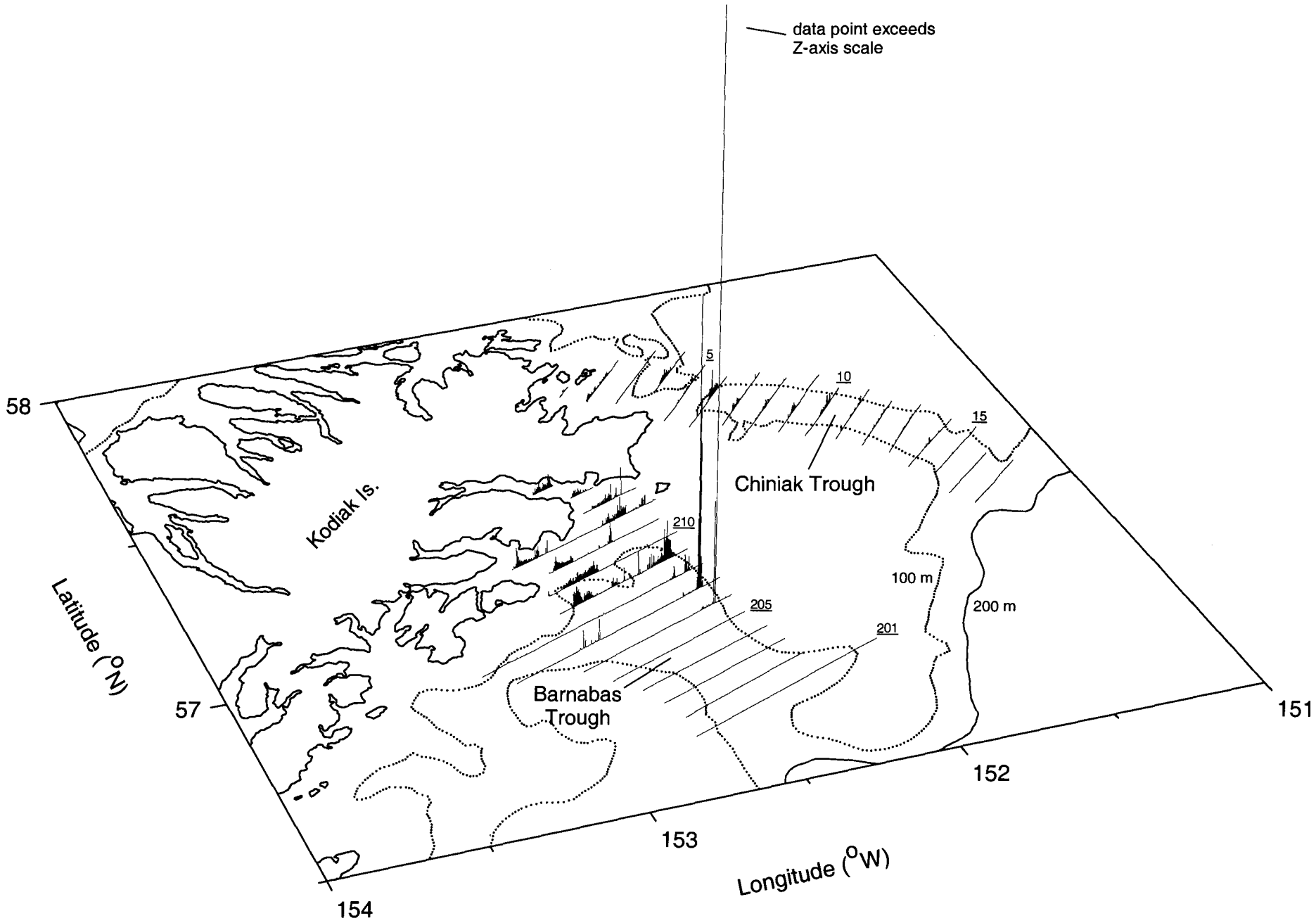


Figure 5. Acoustic backscatter attributed to "adult" pollock along trackline during pass 1 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

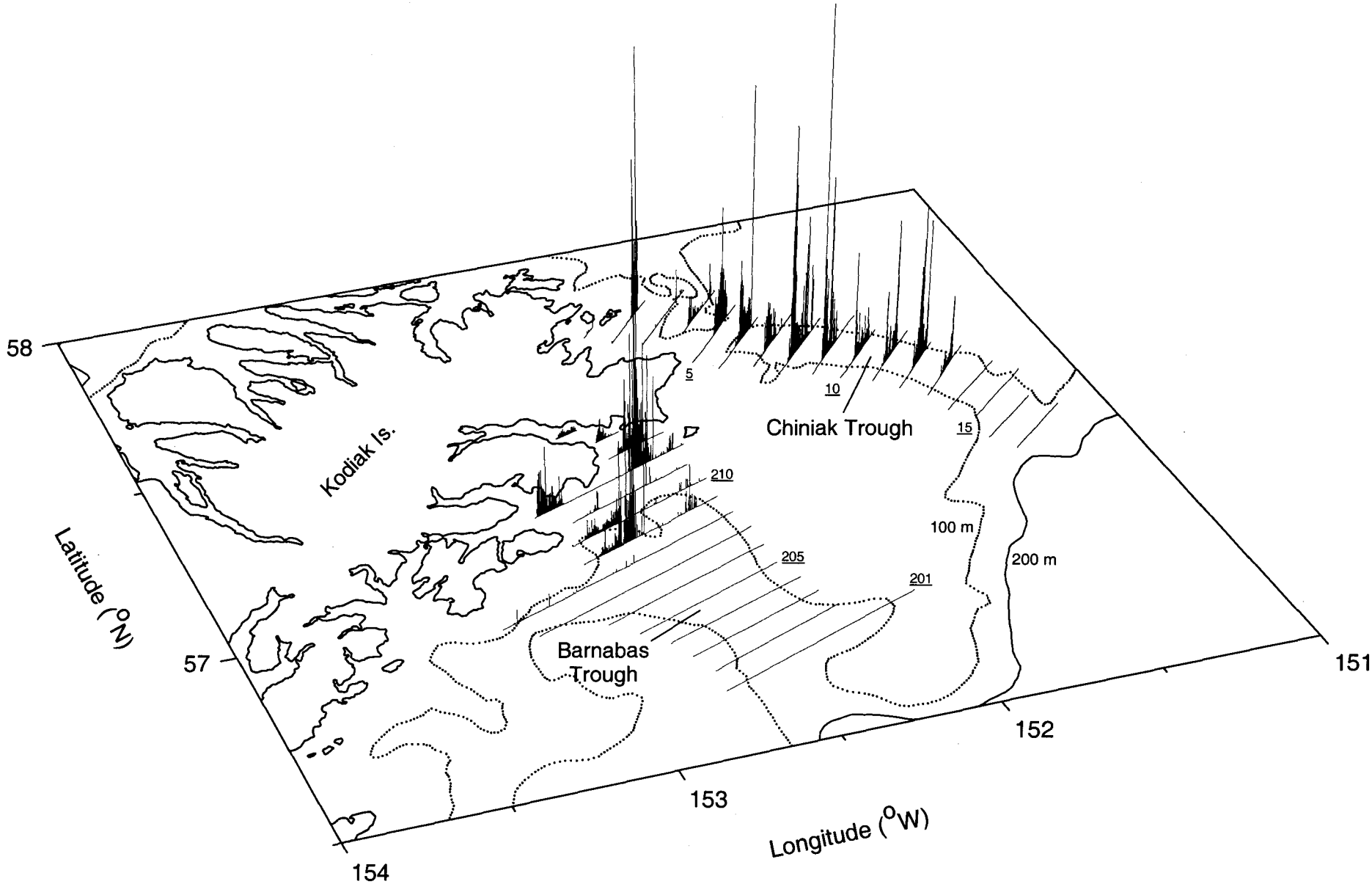


Figure 6. Acoustic backscatter attributed to "juvenile" pollock along trackline during pass 1 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

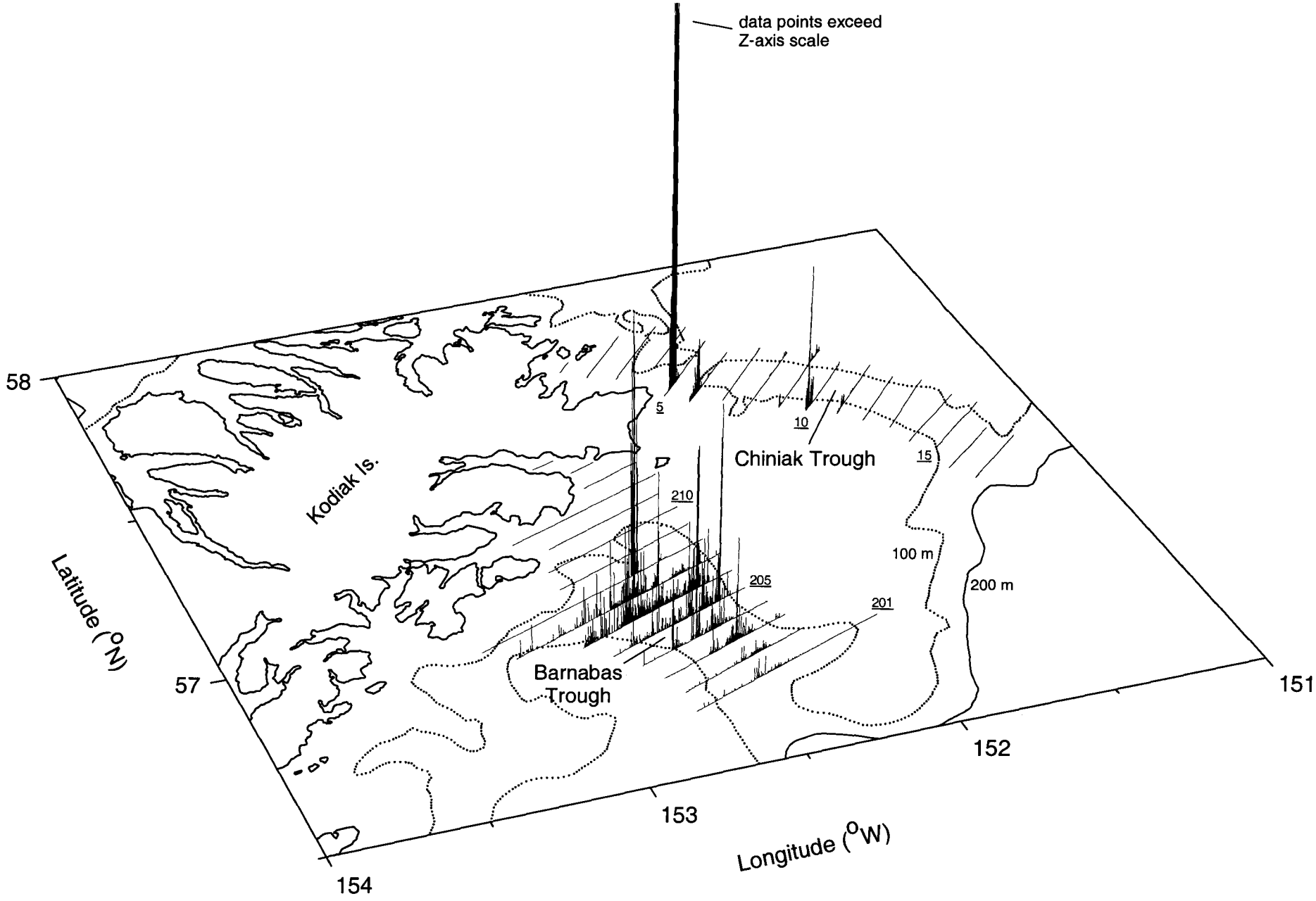


Figure 7. Acoustic backscatter attributed to capelin along trackline during pass 1 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

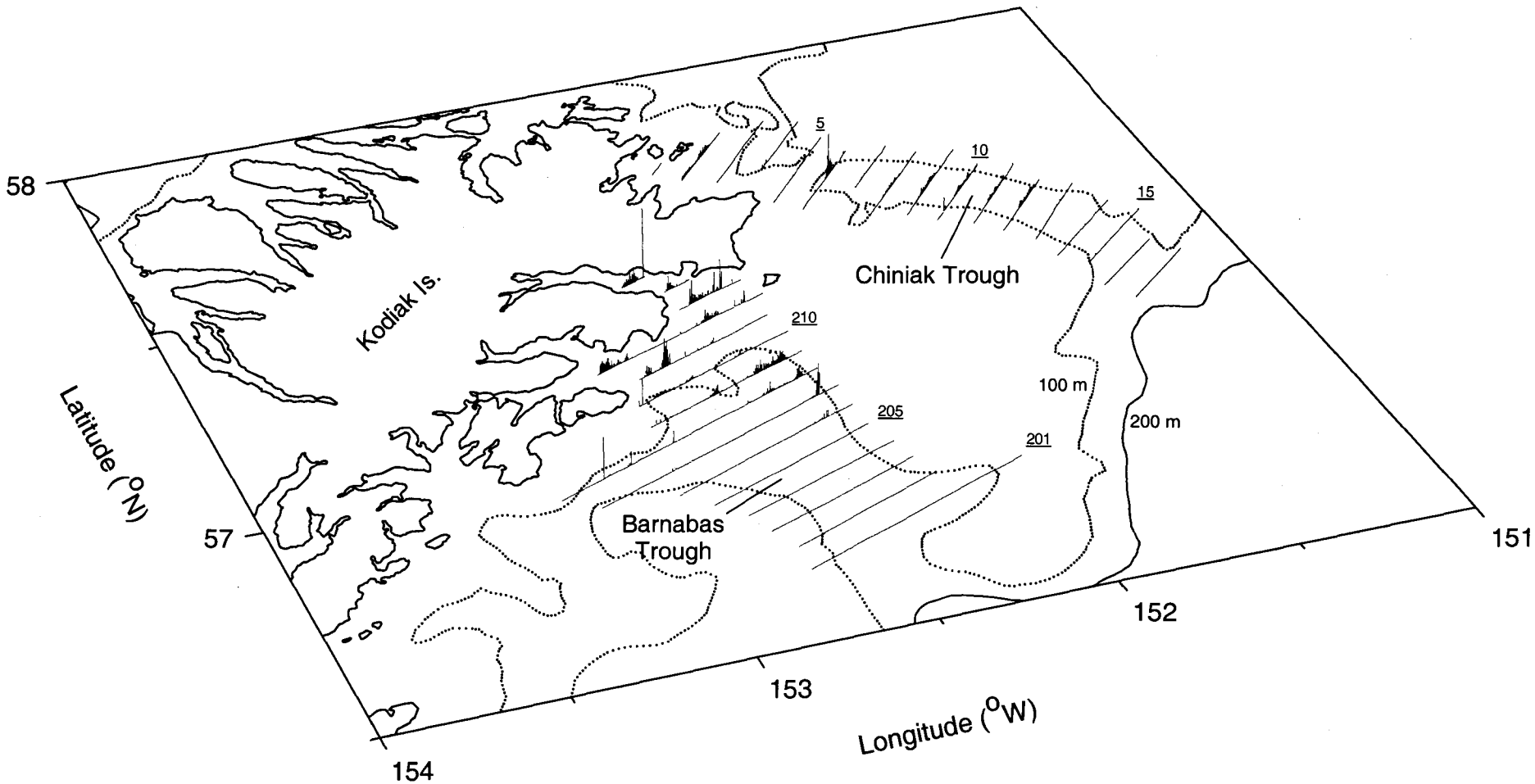


Figure 8. Acoustic backscatter attributed to "adult" pollock along trackline during pass 2 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

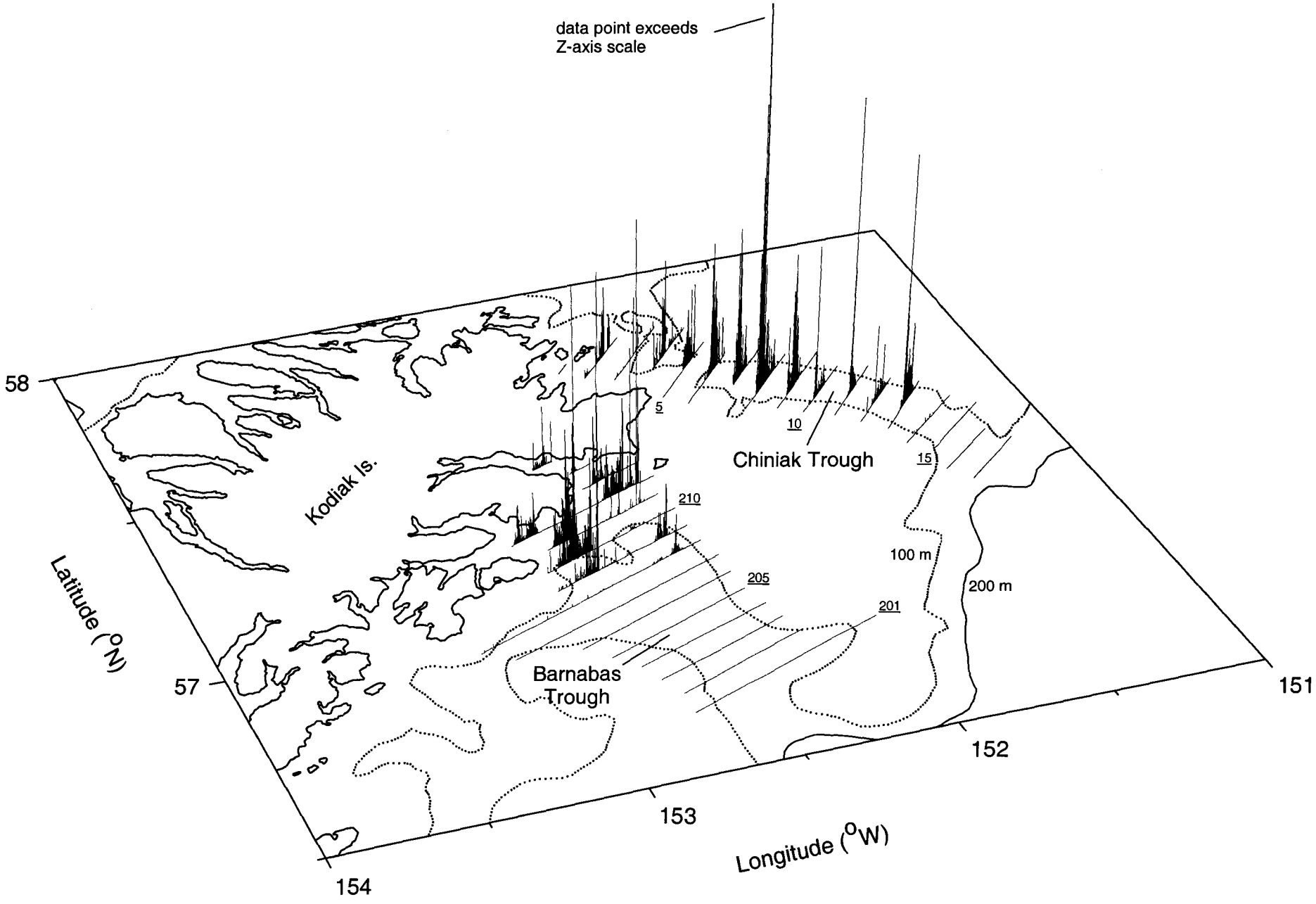


Figure 9. Acoustic backscatter attributed to "juvenile" pollock along trackline during pass 2 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

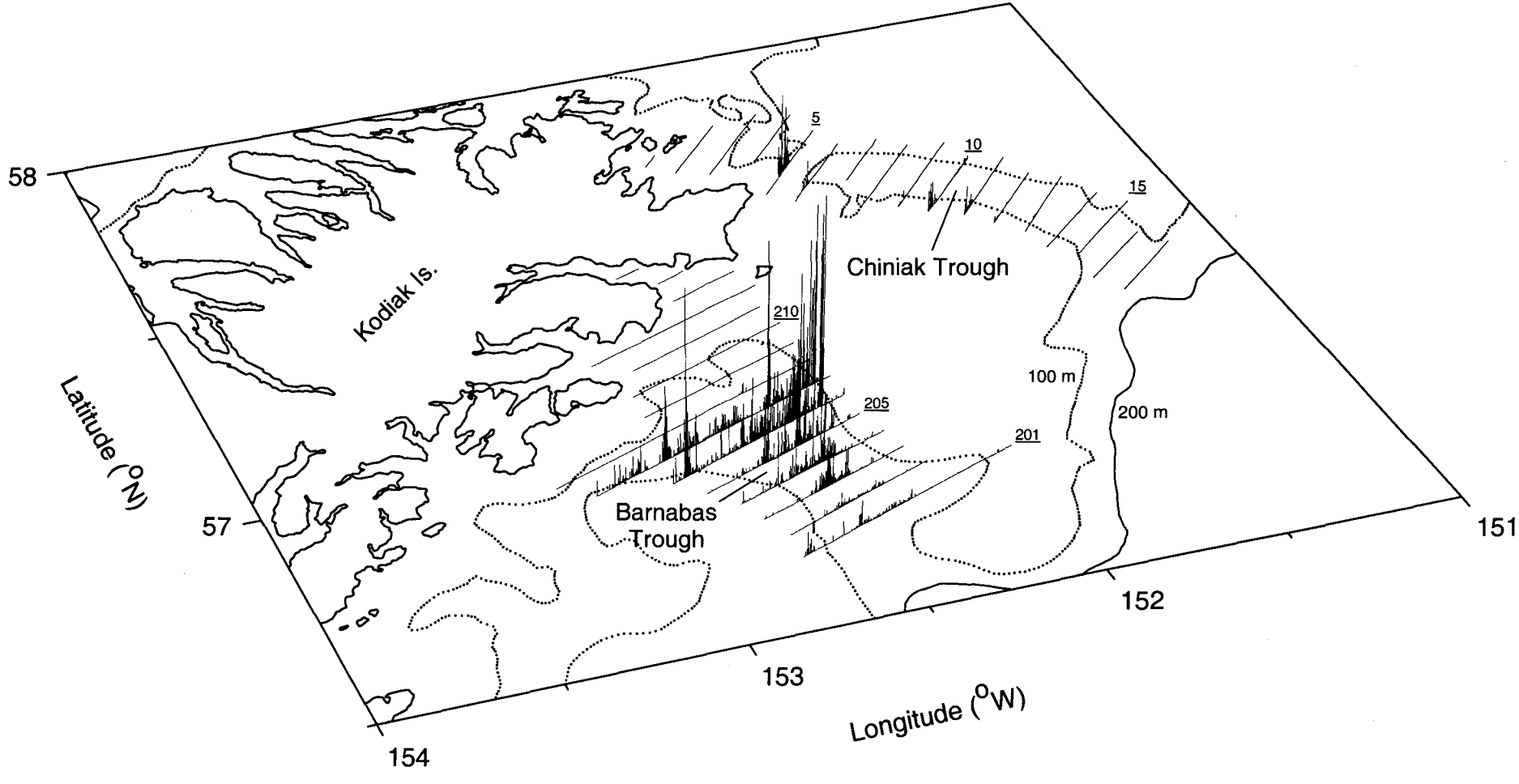


Figure 10. Acoustic backscatter attributed to capelin along trackline during pass 2 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

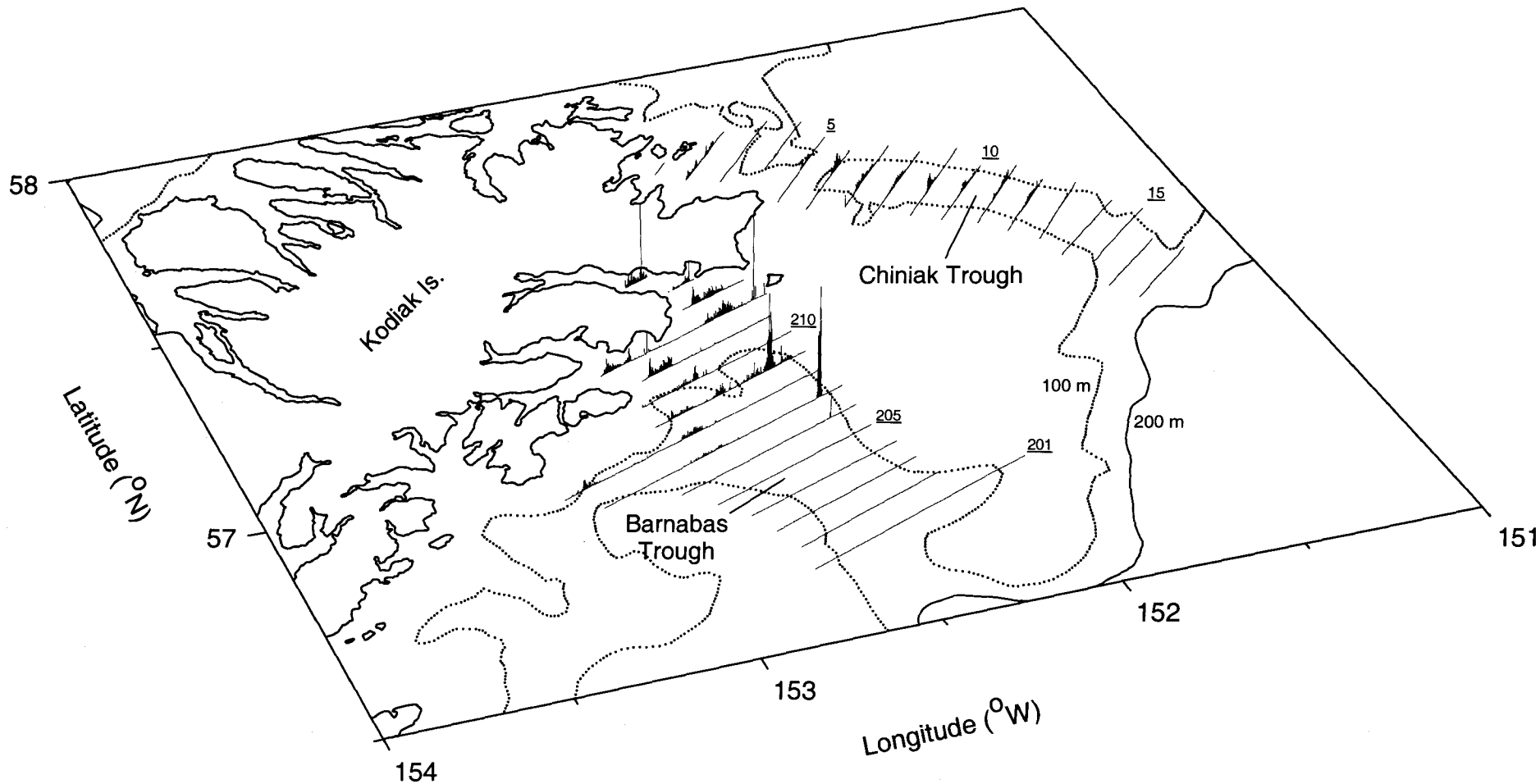


Figure 11. Acoustic backscatter attributed to "adult" pollock along trackline during pass 3 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

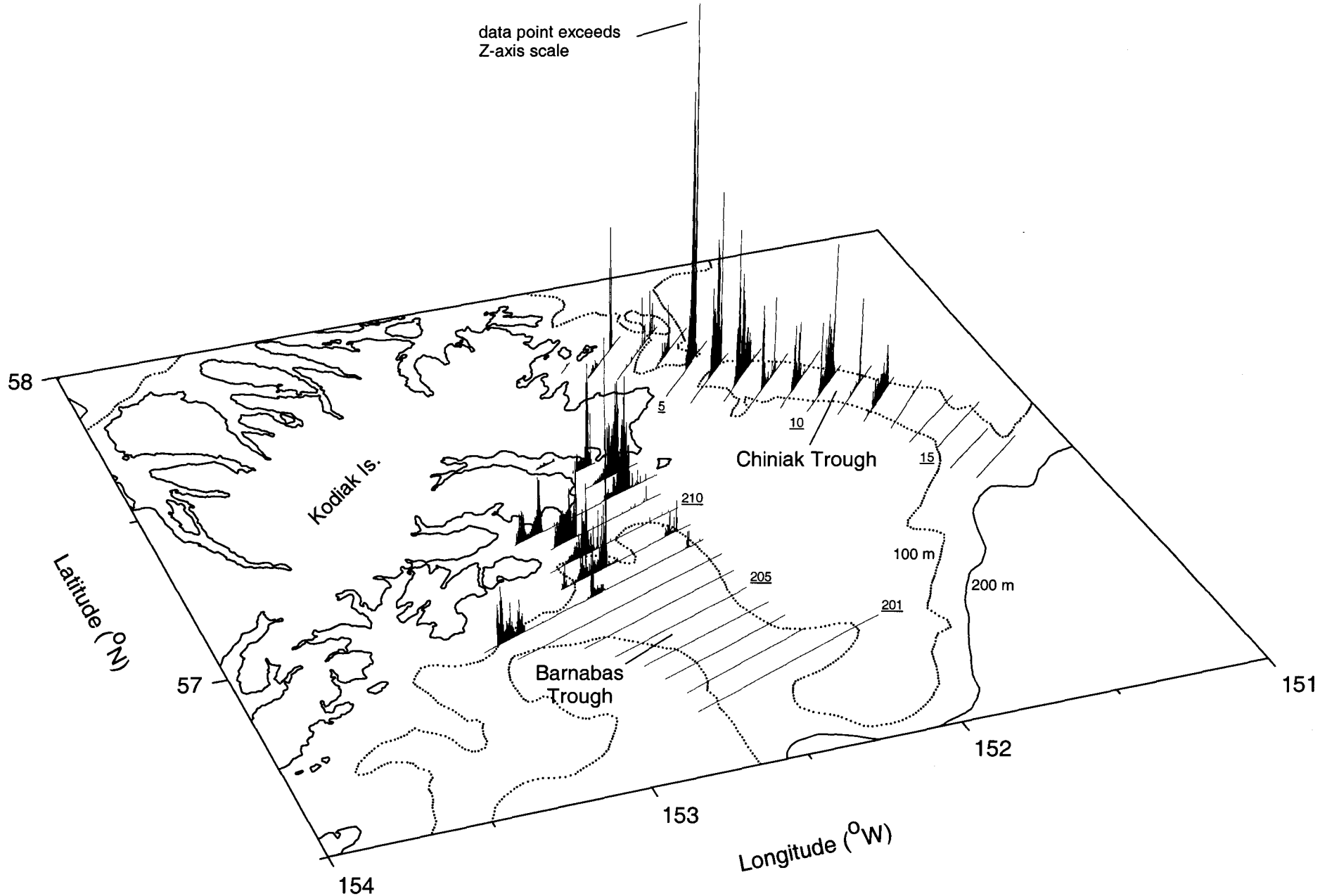


Figure 12. Acoustic backscatter attributed to "juvenile" pollock along trackline during pass 3 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

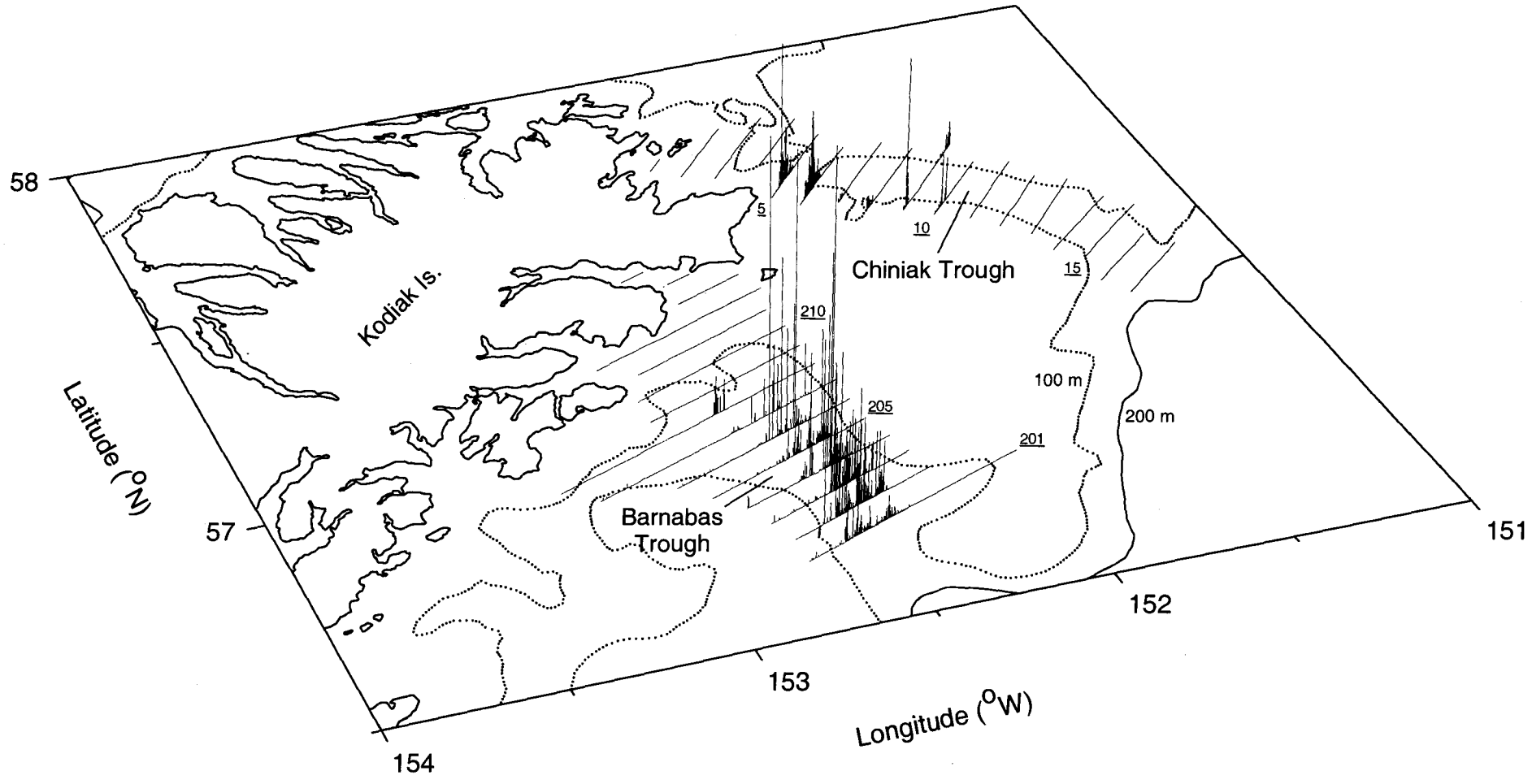


Figure 13. Acoustic backscatter attributed to capelin along trackline during pass 3 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

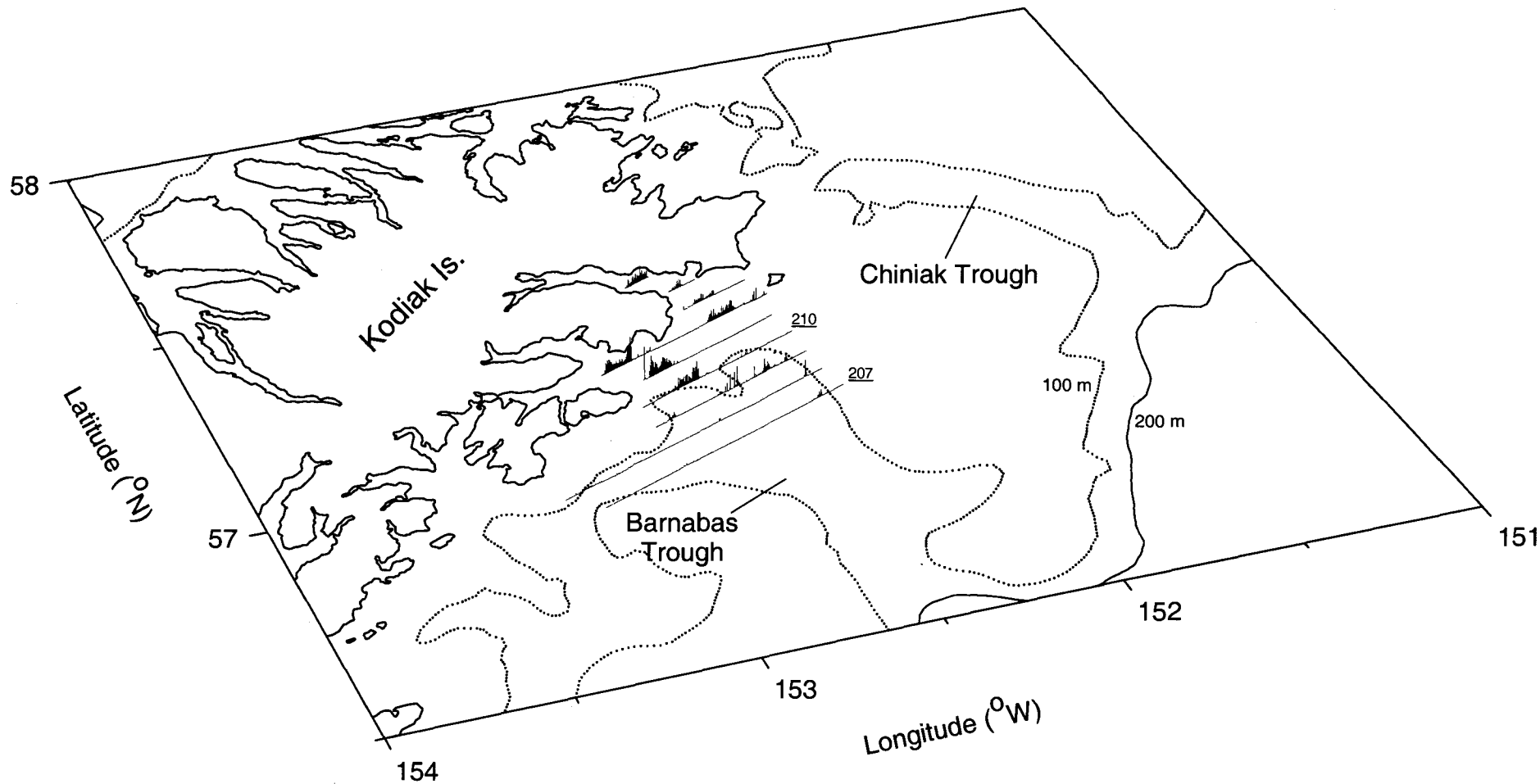


Figure 14. Acoustic backscatter attributed to "adult" pollock along trackline during pass 4 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

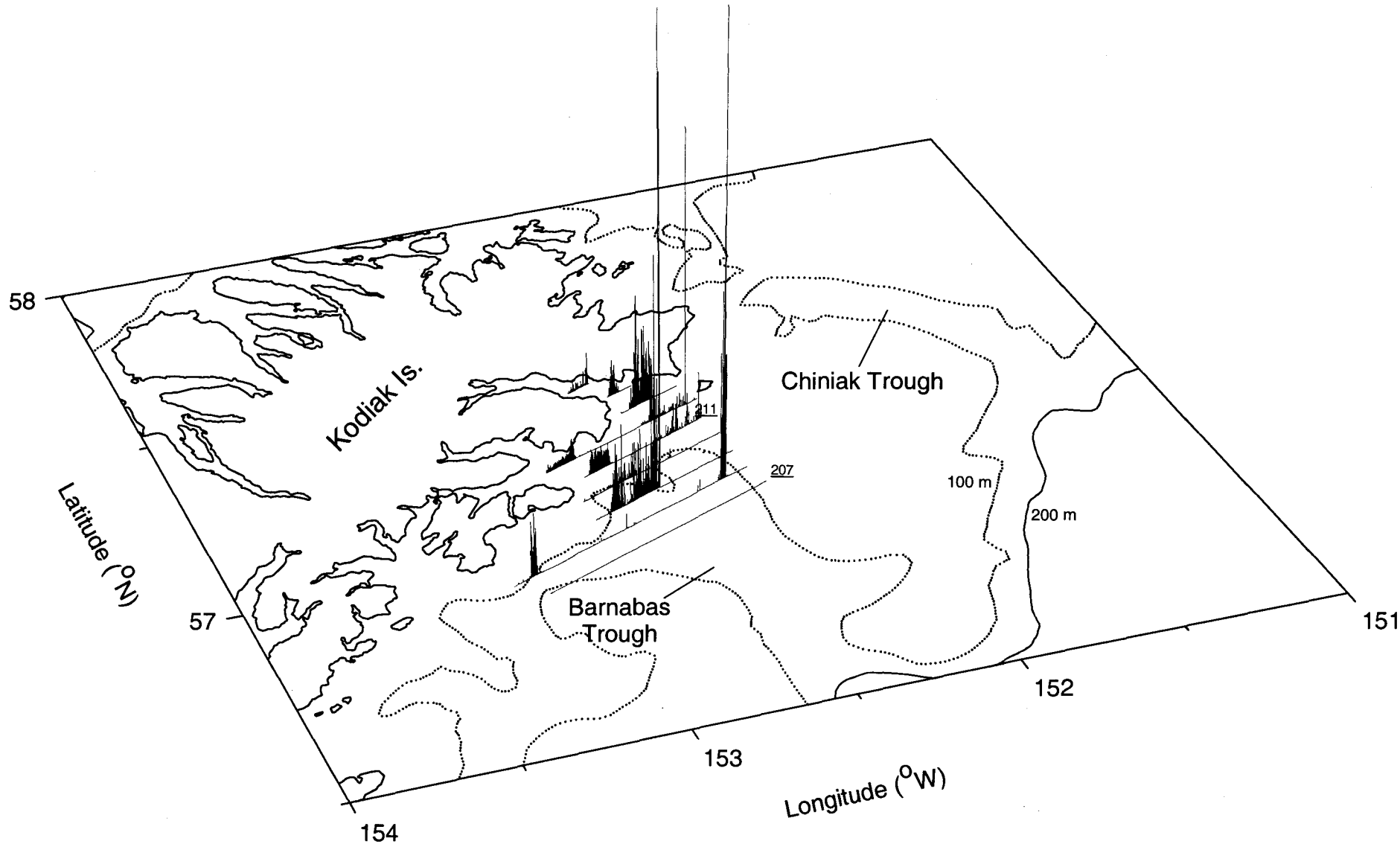


Figure 15. Acoustic backscatter attributed to "juvenile" pollock along trackline during pass 4 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

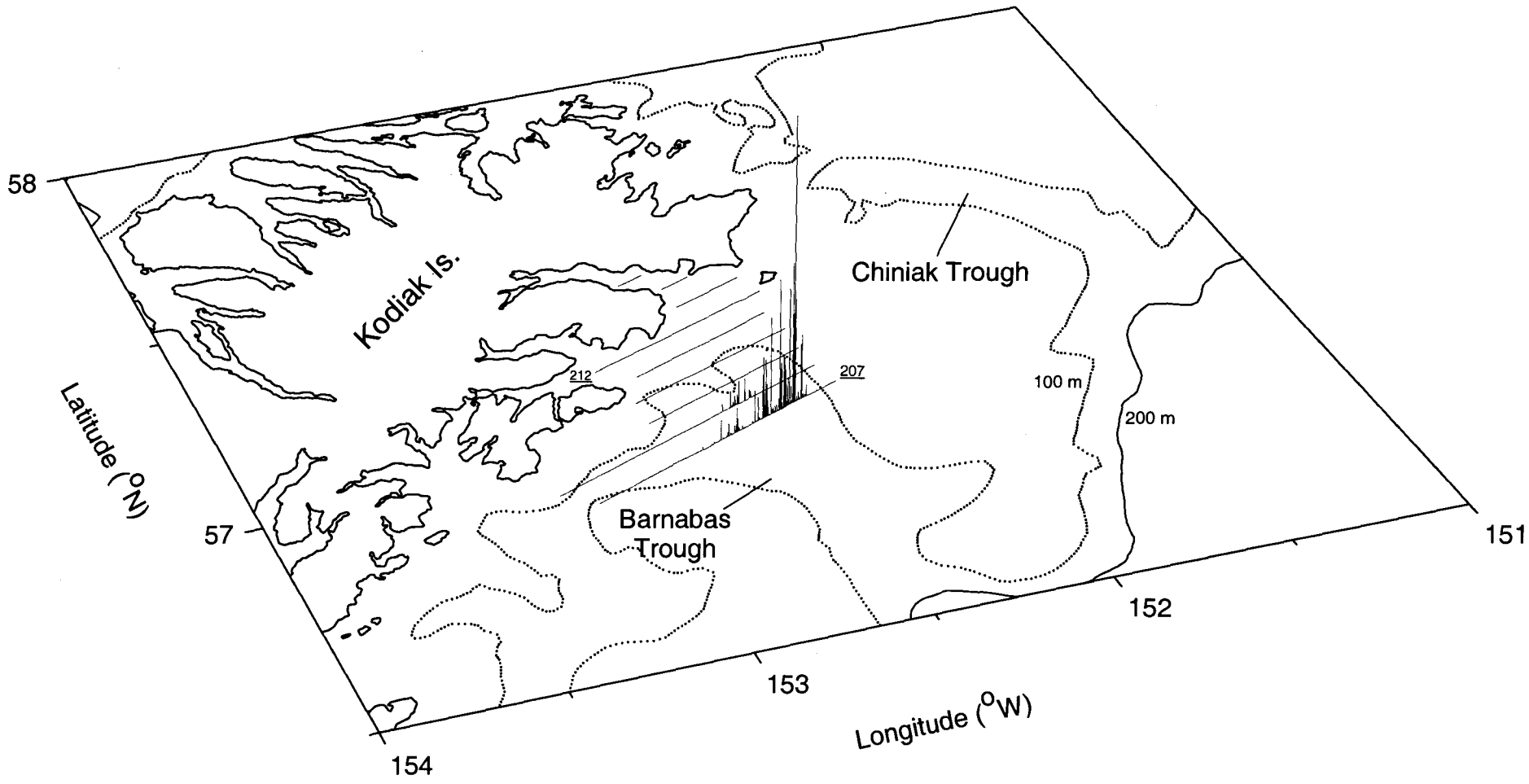


Figure 16. Acoustic backscatter attributed to capelin along trackline during pass 4 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island. Underlined numbers indicate transect sequence.

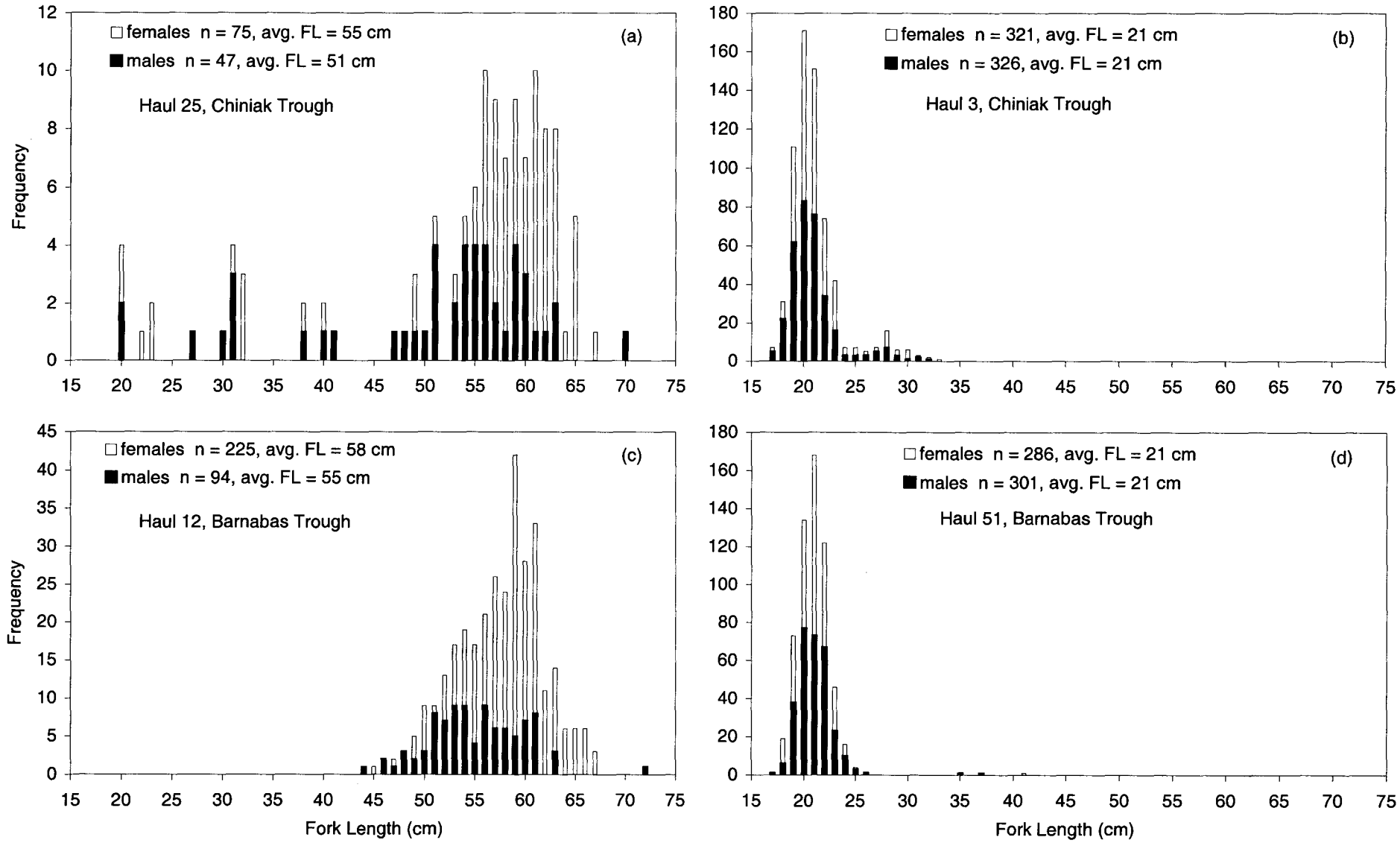


Figure 17. Representative pollock length frequencies from trawls targeting near-bottom adult echo sign in Chiniak (a) and Barnabas (c) Troughs, and juvenile sign in Chiniak (b) and Barnabas (d) Troughs during the August 2001 echo integration-trawl survey off the east side of Kodiak Island. "FL" = Fork Length.

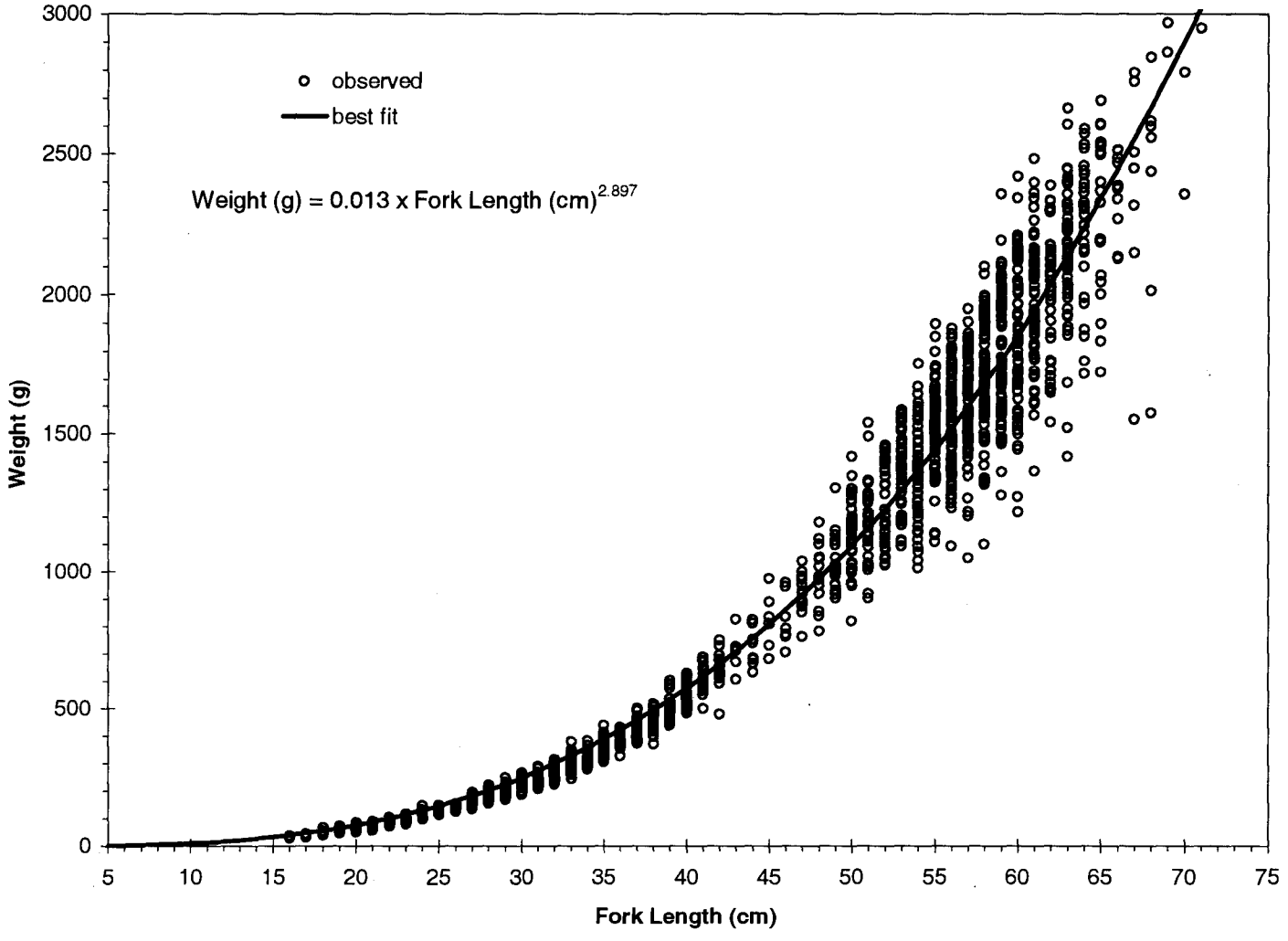


Figure 18. Observed pollock length-weight data and fitted regression for the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

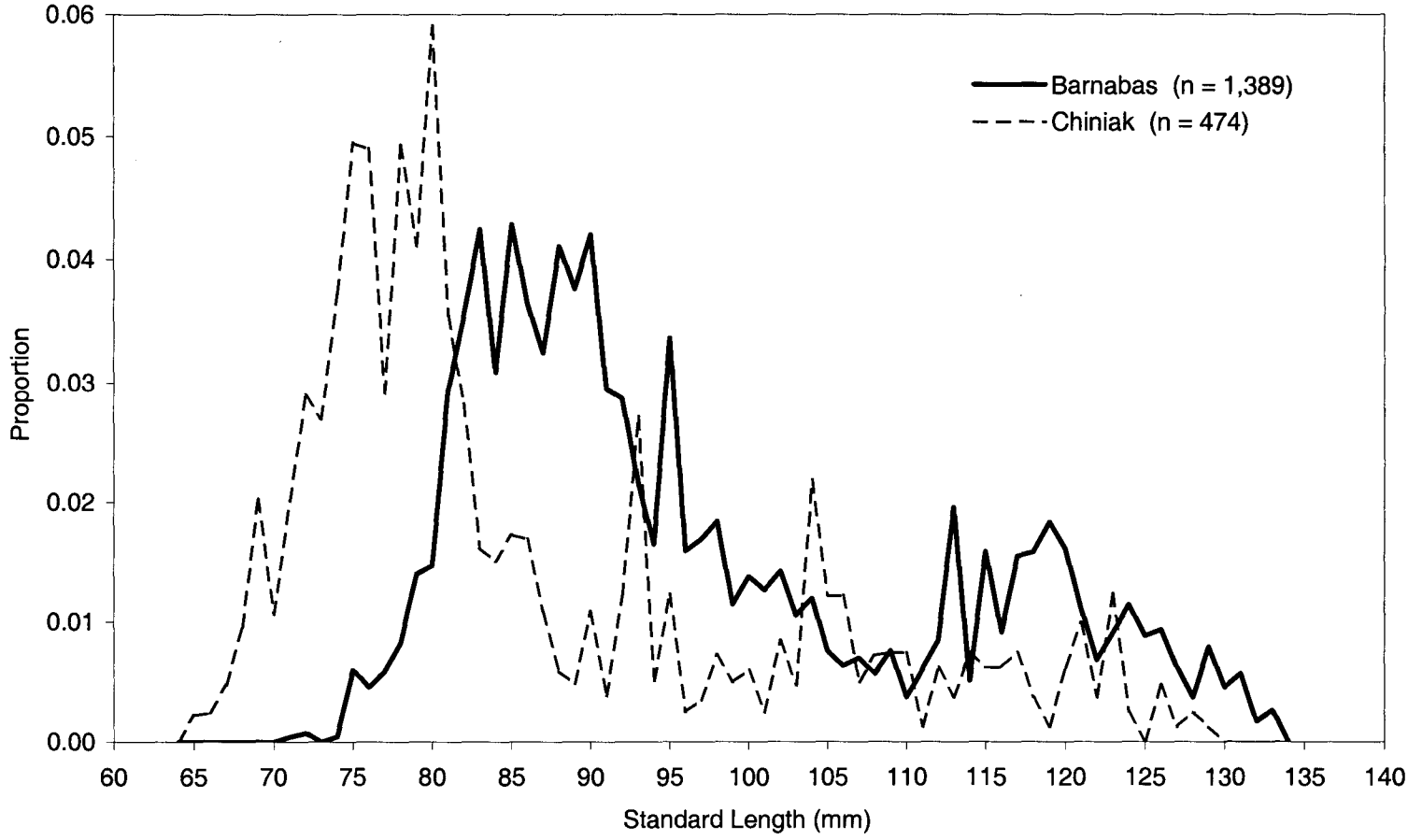


Figure 19. Size composition of capelin from trawls conducted in Chiniak and Barnabas Troughs during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

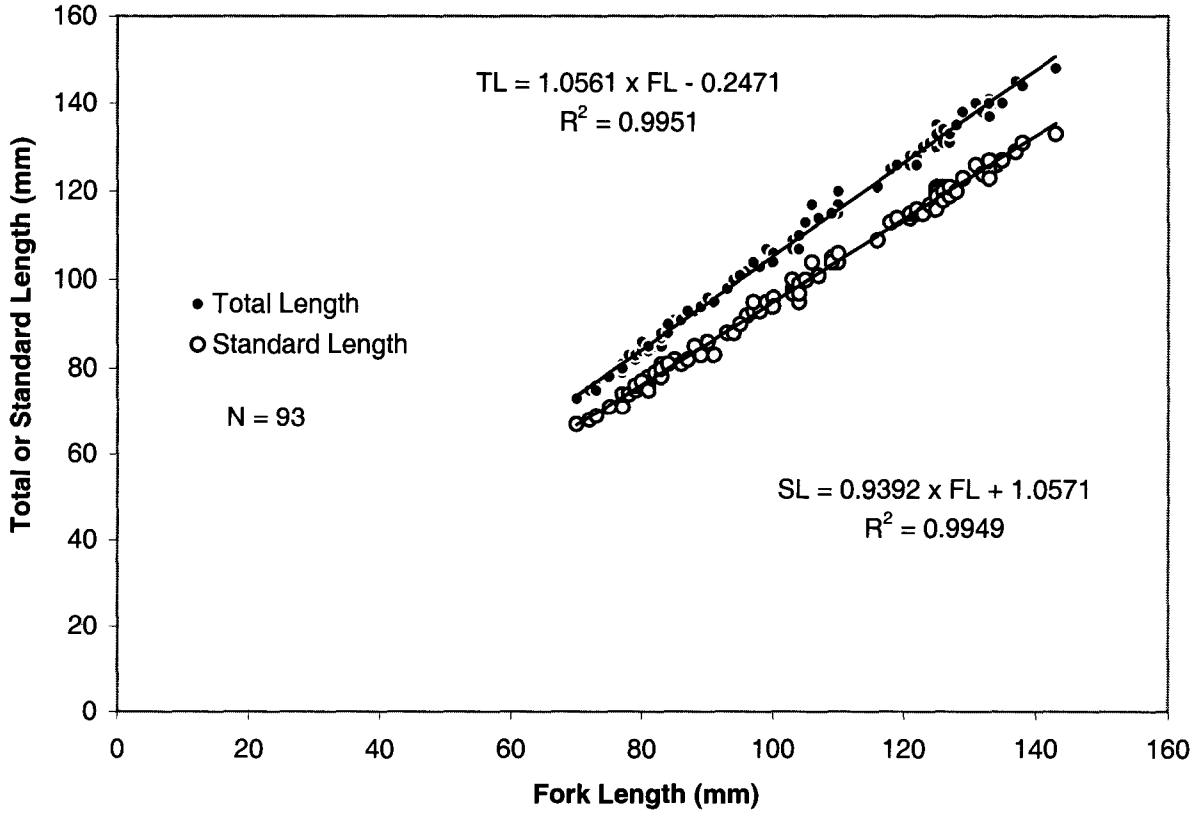


Figure 20. Capelin total lengths (TL) and standard lengths (SL) plotted against fork lengths (FL) measured during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

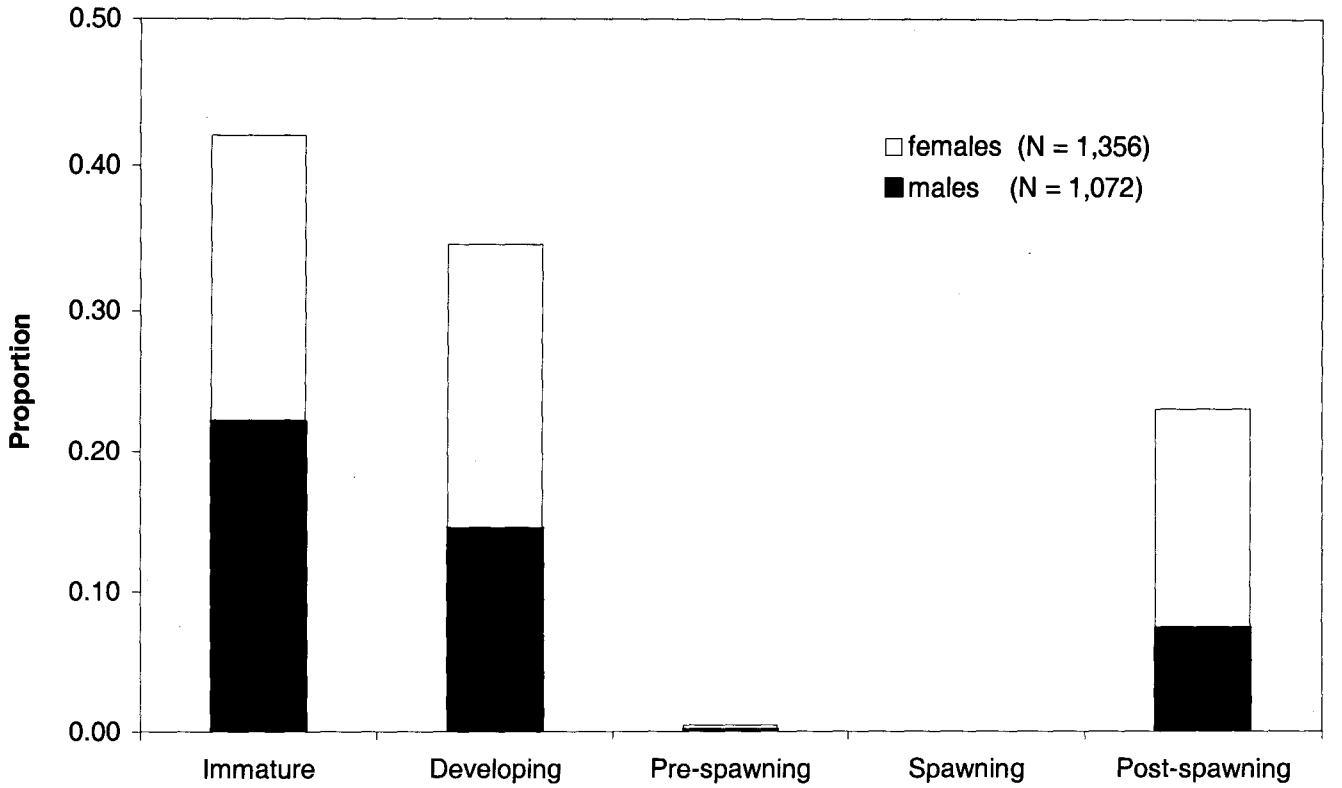


Figure 21. Maturity stages of pollock observed during the August 2001 echo integration-trawl survey of walleye pollock off the east side of Kodiak Island.

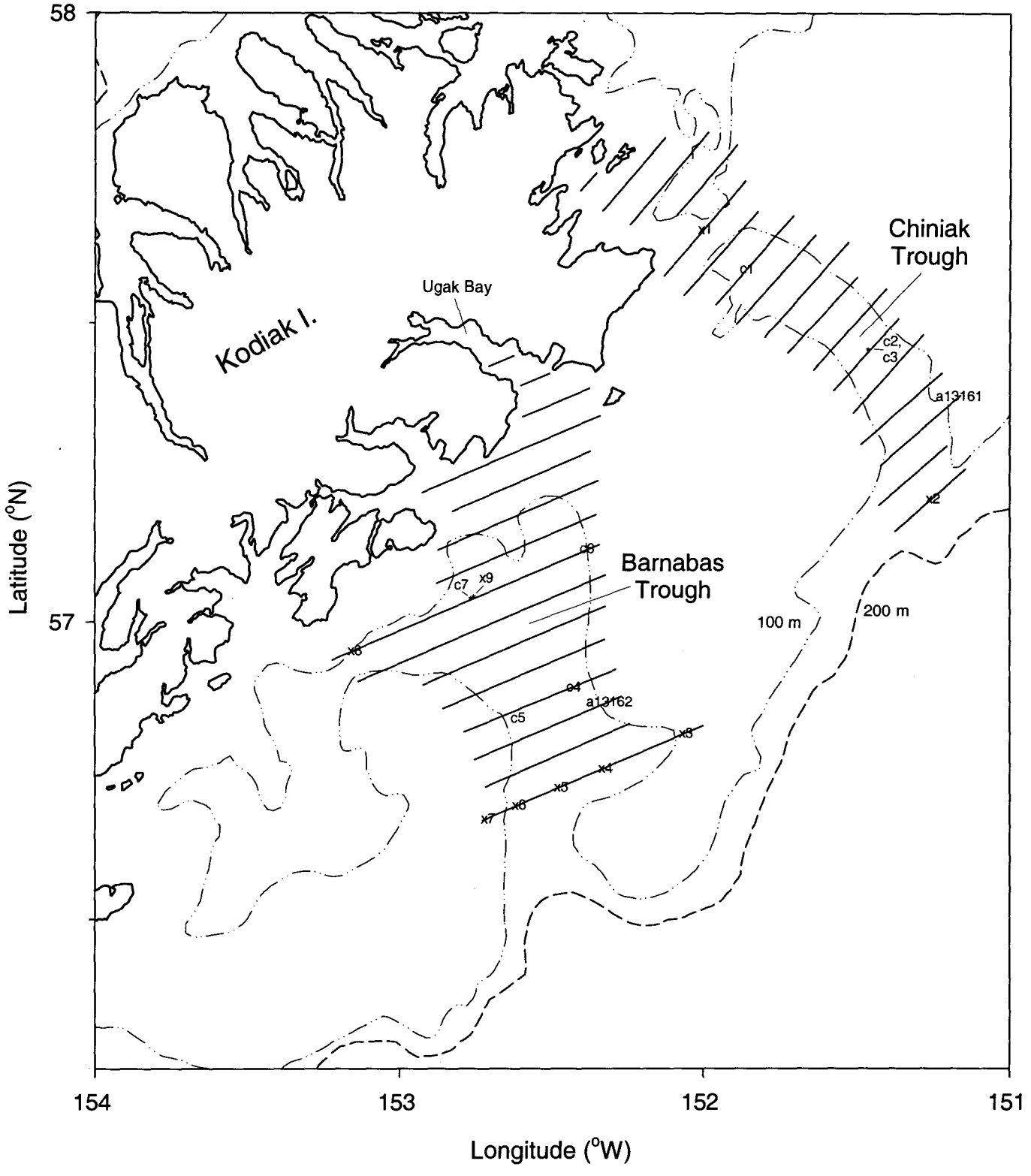


Figure 22. Survey trackline with locations of CTD ("c") and XBT ("x") casts and Argos-tracked drifter deployments ("a") during pass 1 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

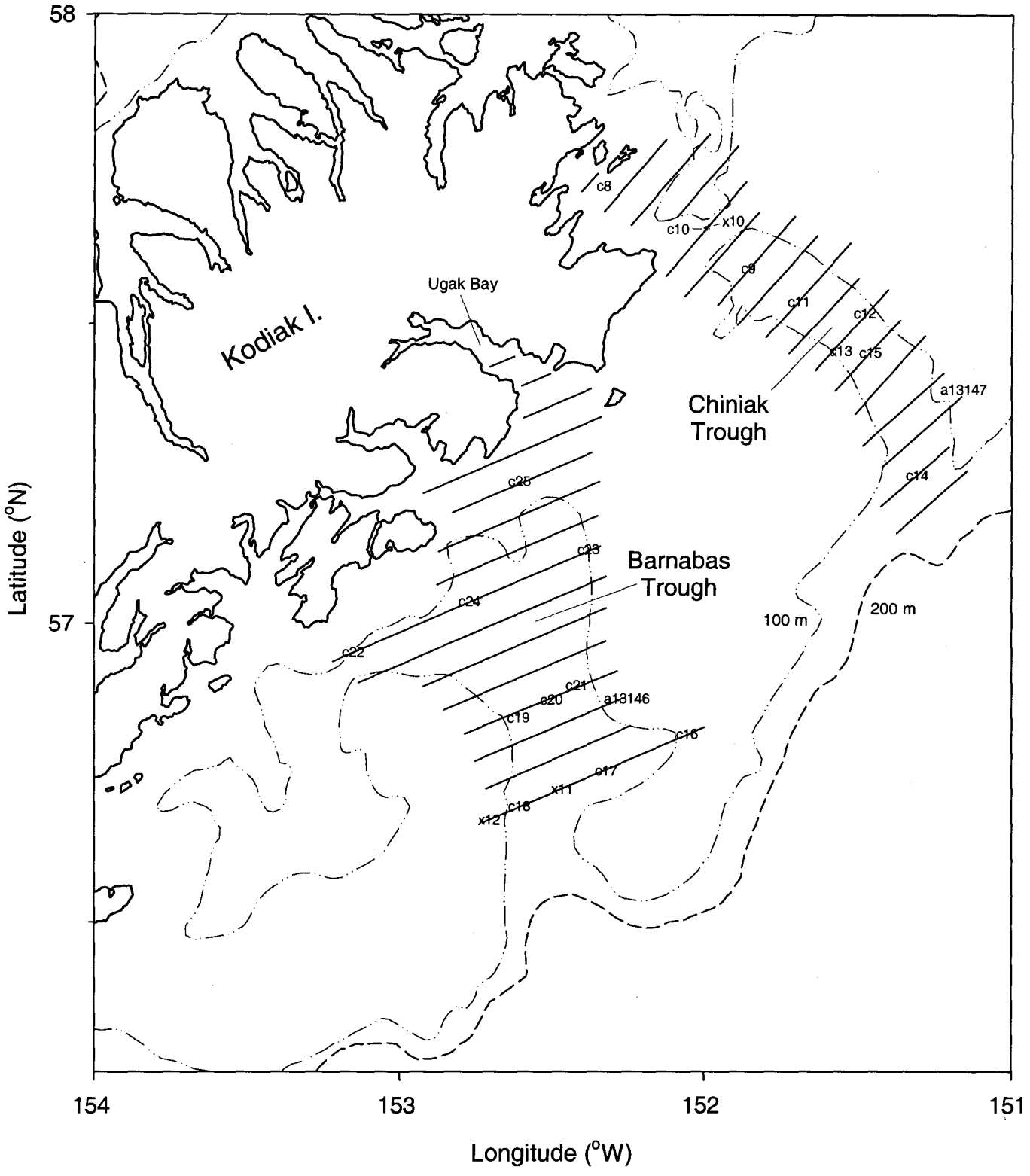


Figure 23. Survey trackline with locations of CTD ("c") and XBT ("x") casts and Argos-tracked drifter deployments ("a") during pass 2 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

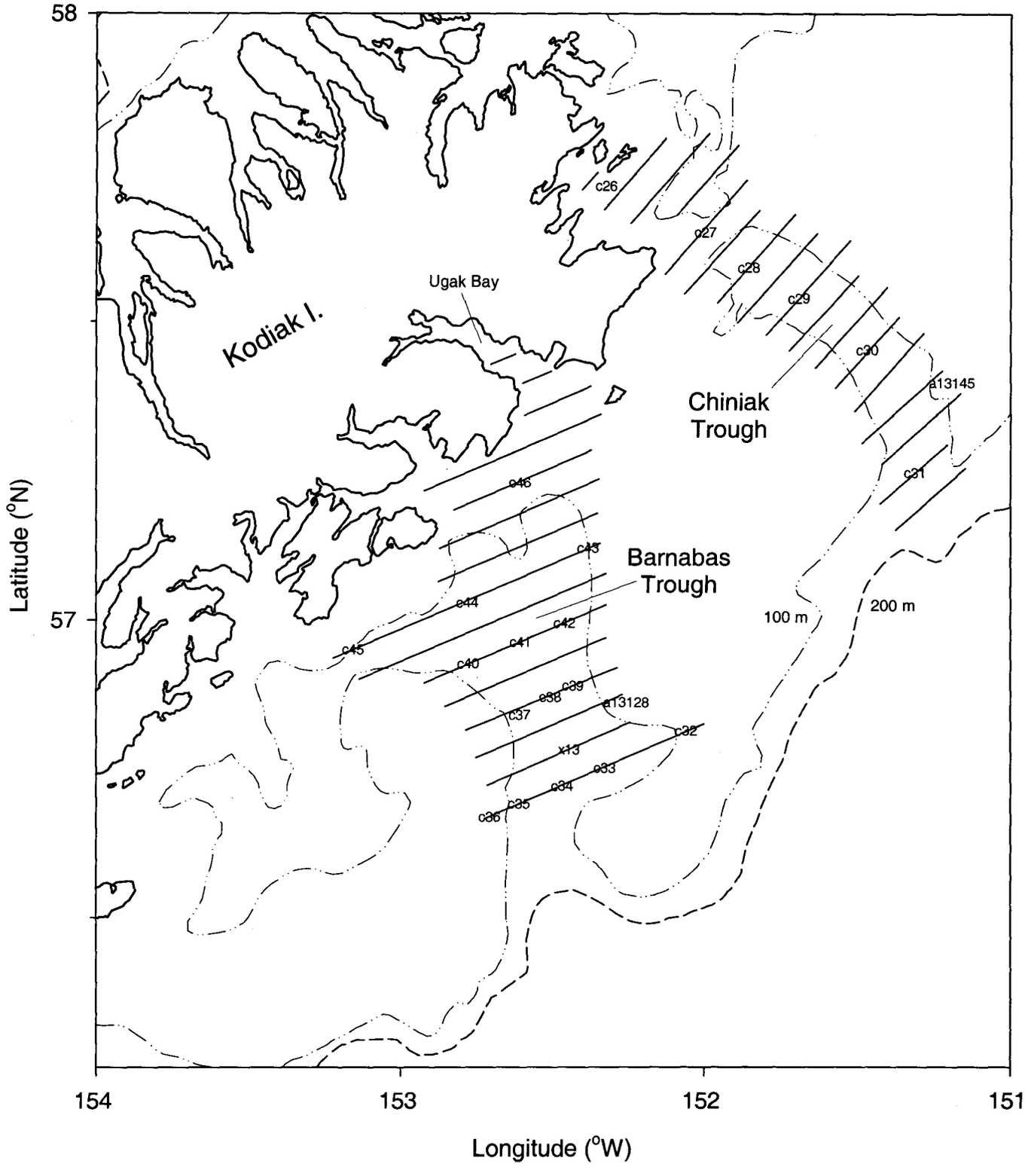


Figure 24. Survey trackline with locations of CTD ("c") and XBT ("x") casts and Argos-tracked drifter deployments ("a") during pass 3 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island.

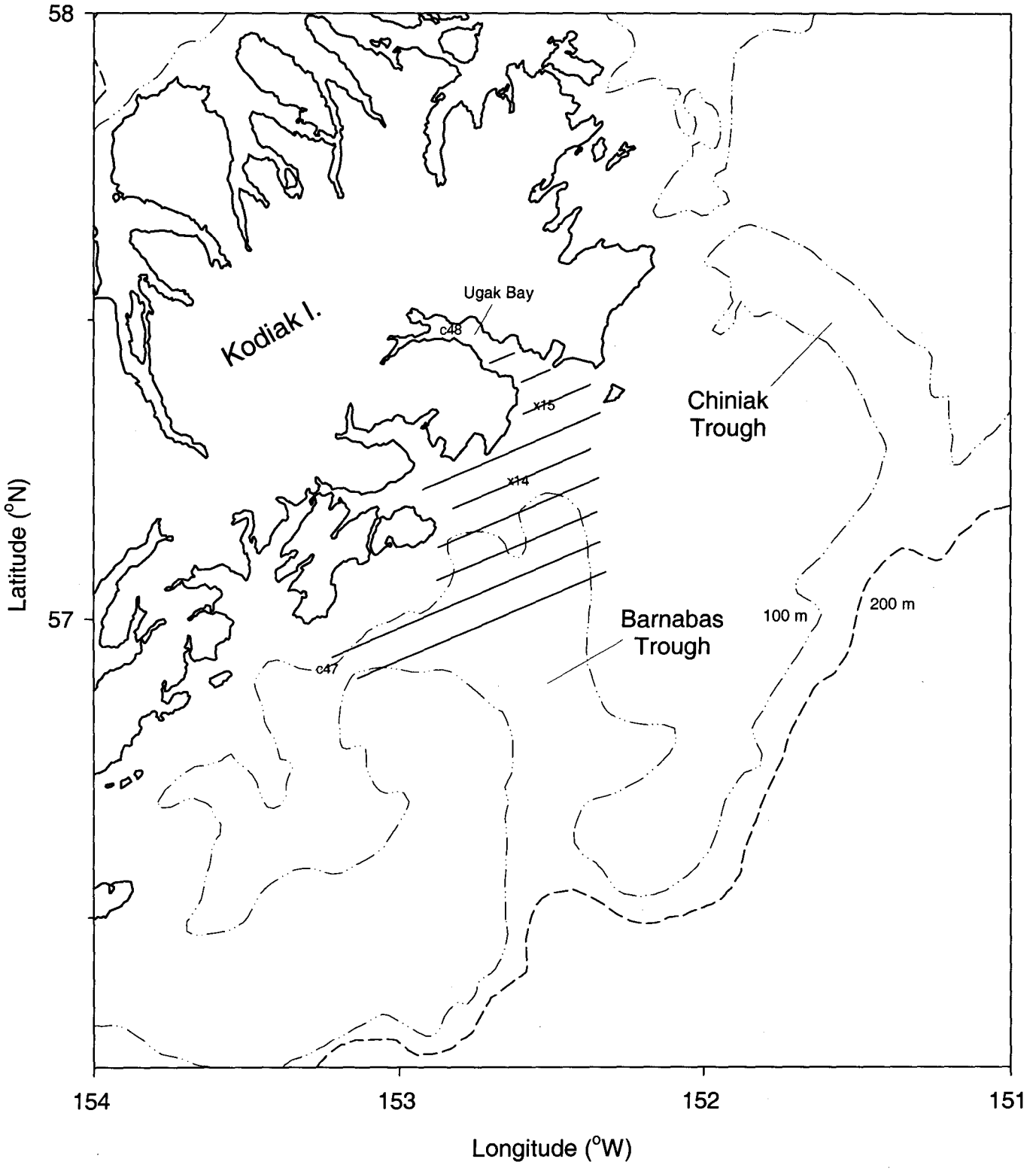
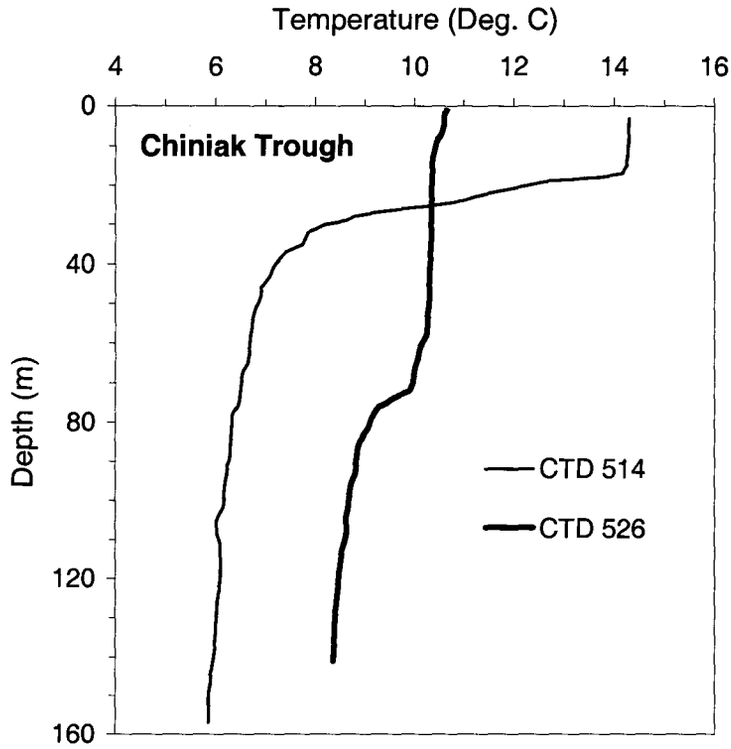


Figure 25. Survey trackline with locations of CTD ("c") and XBT ("x") casts during pass 4 of the August 2001 echo integration-trawl survey off the east side of Kodiak Island.



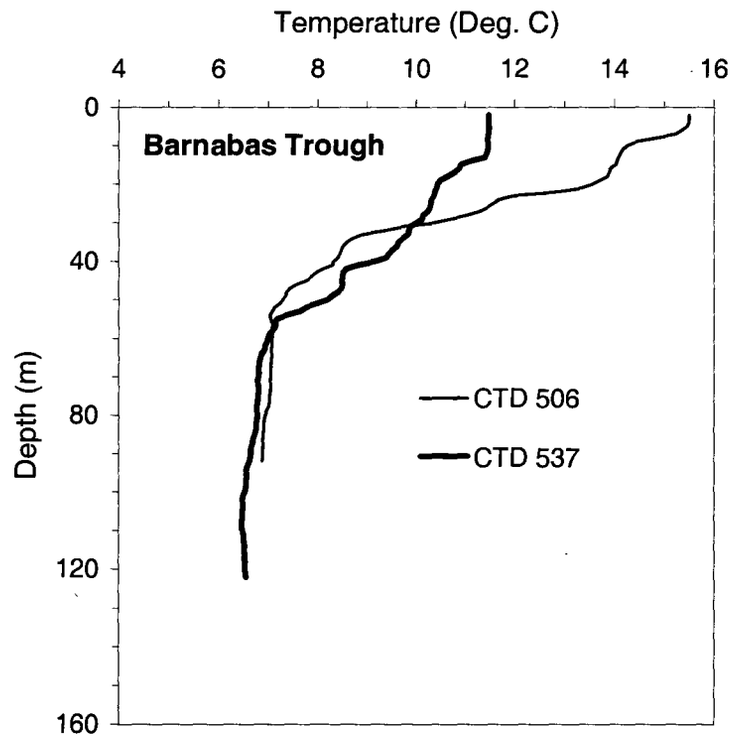


Figure 26. Examples of vertical temperature profiles observed in Chiniak and Barnabas Troughs during the August 2001 echo integration-trawl survey off the east side of Kodiak Island.